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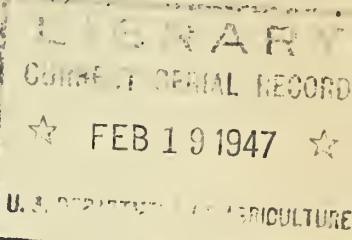
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# LIBRARY NEWSLETTER

## U. S. DEPARTMENT OF AGRICULTURE



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Vol. 6, no. 1-2.  
January - February 1947.

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### NEW BOOKS IN THE LIBRARY

ALL ABOUT HOUSE PLANTS, THEIR SELECTION, CULTURE AND PROPAGATION, AND HOW BEST TO USE THEM FOR DECORATIVE EFFECT, by Montague Free. 329 p. Garden City, N.Y., The American garden guild, inc., 1946. 96.06 F87

AMERICAN FOUNDATIONS FOR SOCIAL WELFARE, by Shelby M. Harrison and F. Emerson Andrews. 249 p. N.Y., Russell Sage foundation, 1946. 500 H24

A directory of 505 foundations as well as work in agricultural research, farm management, and rural life.

AMERICAN MAMMALS, THEIR LIVES, HABITS, AND ECONOMIC RELATIONS, by W.J. Hamilton, Jr. 434 p. N.Y., McGraw-Hill Book co., inc., 1939. 412.1 H18

The author includes the characteristics and habits of North American mammals in more detail than had been done previously. There are chapters on: Adaptations, Food, Storage, Reproduction, Hibernation and other phases of animal life. This book can answer some interesting questions. What do you know of the tiny shrew, billions of which are found over a great part of North America? When do the different species of bats have their fruitful mating? Has man ever set eyes on the newborn of the bassarisk? How do the skin glands of hooved animals function?

AMERICAN MEN OF SCIENCE; a biographical directory. 7th ed. edited by Jaques Cattell. 2033 p. Lancaster, Pa., The Science press, 1944. 119 C29 Ed.7.  
(For reference only. Not to be taken from the library.)

CALIFORNIA AGRICULTURE, by members of the faculty of the College of agriculture, University of California. Claude Burton Hutchison, ed. 444 p. Berkeley, University of California press, 1946. 30.9 H97

The history of agriculture in California with chapters by experts on soil, crops, livestock, pest and disease control, and social and economic conditions.

THE COMING OF THE POND FISHES, by Ben Hur Lampman. 177 p. Portland, Or., Bin-fords & Mort, 1946. 414 L192

"An account of the introduction of certain spinyrayed fishes, and other exotic species, into the waters of the lower Columbia river region and the Pacific coast states."

FARMING AND MECHANIZED AGRICULTURE, 1946. Ed. by Sir Reginald George Stapledon. 491 p. London, Todd Publishing company, ltd., 1946. no call no.

An English farming annual covering the field of agriculture in England today. Two contributions by well-known authors are the articles: Global soil resources by Hugh H. Bennett and World-wide needs of woods as a land conservation crop, by W.C. Lowdermilk. Official directories are included, one of which describes the agricultural associations and agencies in Britain, official and unofficial, such as laboratories, institutes and unions.

FERTILIZERS AND CROP PRODUCTION, by Lucius Lincoln Van Slyke. 493 p. New York, Orange Judd, 1946. 57 V36F 1946.

The purpose of this book was not merely to give information but also to present it in such a systematic way as to make clear fundamental relations and to emphasize the reasons that underlie every practice suggested. The conditions are studied under which plant-foods, whether in the form of soil compounds, of farm-produced materials, or of commercial fertilizers can be conserved and, at the same time, utilized with the greatest efficiency and economy in the production of crops.

FOR THIS WE FOUGHT; guide lines to America's future as reported to the Twentieth century fund, by Stuart Chase. 123 p. New York, Twentieth century fund, 1946. 280.12 C38F

"This volume is the sixth and last of a series of reports written for the Twentieth Century Fund by Stuart Chase to give the general reader a dynamic understanding of the great issues of postwar America."

During the war, we set for ourselves the goal of an abundant world. Mr. Chase shows that this goal is within our national resources and productive capacity, and outlines the four economic "models" under which America may attain it. The recommended model is described in detail. What can we do about the disillusioned veteran - and citizen? Why is our policy of drifting dangerous? This book will tell you.

THE FRIENDLY EVERGREENS, by L.L. Kumlien. 237 p. Dundee, Ill., D. Hill nursery company, 1946. 97.32 K96F

Written by a nurseryman for the layman, this book is a compilation of information about evergreen planting, growing and varieties. It is beautifully illustrated and contains complete treatment of evergreens in landscaping. The contents includes: Descriptions of varieties, seed, data on packing, color variation, timberline evergreens, windbreaks, hedges and pruning, diseases.

GARDEN LILIES, by Alan and Esther MacNeil. 226 p. N.Y., Oxford University press, 1946. 99.46 M23

Here is a handbook for every gardener who wants to grow lilies successfully, from planning his garden and ordering the bulbs to planting them and caring for them. Part II is a comprehensive list of garden lilies with a full description of the appearance of each, its special characteristics and individual needs.

Lilies come from the far corners of the globe and it is interesting to read where our present assortment comes from.

MARKETING FARM PRODUCTS, by Geoffrey S. Shepherd. 445 p. Ames, Iowa, The Iowa State College Press, 1946. 280.3 Sh4M

Why does it cost more to market than to produce? The author has solutions to the many problems involved in pricing and marketing farm products, and shows how marketing costs can be reduced. He starts, however, with a broad outline of the agricultural production and marketing job in the United States - the whole picture. It shows the size of the job, the way it is being handled so far, some of the problem areas and a complete analysis.

THE SOIL AND HEALTH, A STUDY OF ORGANIC AGRICULTURE, by Sir Albert Howard.

307 p. N.Y., Devin-Adair co., 1946. 56.6 H83S

Here are the experiences and findings of a famous English crop specialist, author of An Agricultural Testament, and originator of modern organic agriculture. Of major importance, not only for farmers, but for the public now becoming aware that vitality is rooted in the soil.

SOIL AND PLANT ANALYSIS, by C.S. Piper. 368 p. N.Y., Interscience publishers, inc., 1944. 56.4 P66 1944.

"A laboratory manual of methods for the examination of soils and the determination of the inorganic constituents of plants."

All methods presented are in actual use in the laboratories and can be recommended to give accurate and reliable values for a wide range of samples.

TRANSACTIONS OF THE AMERICAN GEOPHYSICAL UNION. Vol. 26, 1945; Vol. 27, no.3, 1946. 340 Am3R

Contains: Papers of Western snow conference; Reports of the United States committee for the study of the Paricutin Volcano; papers on hydrology, meteorology, seismology, geodesy, etc.

THE USEFUL PLANTS OF THE WORLD, by Willard N. Clute. 3d ed. Indianapolis, Ind., W.N. Clute & Co., 1943. 452.8 C62 Ed.3.

To the question; "What are the different kinds of plants good for?" comes the answer - food, drugs, oils and fibers. Mr. Clute tells about these to an unusual degree and adds plants used for perfumes, gums, resins, tannins, rubbers, dyes, soaps, beverages and for chewing. Wood and wood products are considered, too.

THE WILD HORSE OF THE WEST, by Walker D. Wyman. 348 p. Caldwell, Id., Caxton, 1946. 42 W98 1946.

The purpose of this study is to set forth the main outline of the history of the wild horse of the West in the period between 1600 and the present. What happened to the pony since the Indian came into possession of it, what happened to it when the cattleman spread across the plains and valleys of the mountain country, what has happened to the Spanish horse as its blood was chilled by ranch stock, has not been told before. Even the story of the removal of thousands of starved, often degenerate horses, has not appeared in sober print. - Adapted from the preface.

WILDFOWL FOOD PLANTS; THEIR VALUE, PROPAGATION, AND MANAGEMENT, by Waldo Lee McAtee. 141 p. Ames, Iowa, Collegiate press, inc., 1939. 413 M11W

Information as to the relative importance of waterfowl food plants is recognized as essential to conservation of a highly valuable natural resource of wild ducks, geese, and swans. This publication attempts to comment on all wildfowl food plants of both general and local importance, to summarize information on methods of propagating them, and to discuss the principal environmental factors affecting the plants, and ways in which some of them can be managed by man for his own purposes and for the benefit of the birds.

SELECTED NEW PAMPHLET MATERIAL

Farming

- Beef production on the farm, by W.H. Black and E.W. McComas. U.S. Dept. of agriculture. Farmers' bulletin no.1592, 16 p. Rev. 1946. 1 Ag84F no.1592.
- Blue mold decay of delicious apples in relation to handling practices, by Harley English, A. Lloyd Ryall and Edwin Smith. U.S. Dept. of agriculture. Circular no.751, 20 p. 1946. 1 Ag84C no.751.
- The cheatgrass problem in Oregon, by Kenneth Platt and E.R. Jackman. Oregon Extension service. Extension bulletin no.668, 48 p. 1946. 275.29 Or32B no.668.
- Clearing land of brush and stumps, by George R. Boyd. U.S. Dept. of agriculture. Farmers' bulletin no.1526, 38 p. Rev. 1946. 1 Ag84F no.1526.
- Corn culture, by Frederick D. Richey. U.S. Dept. of agriculture. Farmers' bulletin no.1714, 26 p. Rev. 1946. 1 Ag84F no.1714.
- Cost of producing sweet cherries (for processing) in the Willamette Valley and the Dalles Area, Oregon. Progress report no.1, by G.W. Kuhlman and D. Curtis Mumford. Oregon. Agr. Expt. Sta. Station circular of information no.395, 7 p. 1946. 100 Or3C no.395.
- Crotalaria, culture and utilization, by Roland McKee and others. U.S. Dept. of agriculture. Farmers' bulletin no.1980, 17 p. 1946. 1 Ag84F no.1980.
- East irrigation district appraisals, Columbia Basin, reclamation project. 272 p. Washington, U.S. Govt. print. off., 1946. 156.85 Ea7  
Issued by U.S. Bureau of reclamation.
- Electric water systems for farm and home, by M.G. Huber. Oregon. Extension service. Extension bulletin 671, 24 p. 1946. 275.29 Or32B no.671.
- Farm and home financial planning, by Z.L. Galloway and Mary Rokahr. U.S. Dept. of agriculture. Miscellaneous publication no.599, 14 p. 1946. 1 Ag84M no.599.
- Fire fighting on farms, by A.T. Holman. U.S. Dept. of agriculture. Miscellaneous publication no.612, 54 p. 1946. 1 Ag84M no.612.
- Fowl typhoid, by W.J. Hall. U.S. Dept. of agriculture. Circular no.755, 9 p. 1946. 1 Ag84C no.755.
- The hop aphid and its control in Oregon, by H.E. Morrison, Don C. Mote and W.B. Rasmussen. Oregon. Agr. Expt. Sta. Station circular of information no.393, 5 p. 1946. 100 Or3C no.393.
- List of sires proved in dairy-herd-improvement associations, 1946. U.S. Dept. of agriculture. Miscellaneous publication no.613, 130 p. 1946. 1 Ag84M no.613.
- Making and feeding grass and legume silage in Western Oregon, by Chester E. Otis, Roger W. Morse, M.G. Huber. Oregon. Extension service. Extension bulletin no.669, 27 p. 1946. 275.29 Or32B no.669.
- Onion-set production, by J.C. Walker, W.C. Edmundson and H.A. Jones. U.S. Dept. of agriculture. Farmers' bulletin no.1955, 21 p. 1946. 1 Ag84F no.1955.
- Peach and nectarine growing in California, by Guy L. Philp and Luther D. Davis. California. Extension service. Circular no.98, 64 p. Rev. 1946. 275.29 Cl2C no.98, Rev.
- Production of salsify or vegetable-oyster, by W.R. Beattie. U.S. Dept. of agriculture. Leaflet no.135, 2 p. Rev. 1946. 1 Ag84L no.135.
- Rabbit production, by George S. Templeton, F.G. Ashbrook and Charles E. Kellogg. U.S. Dept. of agriculture. Farmers' bulletin no.1730, 62 p. Rev. 1946. 1 Ag84F no.1730.
- Results of inbreeding grade Holstein-Friesian cattle, by T.E. Woodward and R.R. Graves. U.S. Dept. of agriculture. Technical bulletin no.927, 39 p. 1946. 1 Ag84Te no.927.

- Rice production and marketing in the United States, by G.A. Collier. U.S. Dept. of agriculture. Miscellaneous publication no.615, 32 p. 1947. 1 Ag84M no.615.
- Safe water for the farm, by Harry L. Garver. U.S. Dept. of agriculture. Farmers' bulletin no.1978, 46 p. 1946. 1 Ag84F no.1978.
- Settlers' progress on Vale-Owyhee project, Oregon, from time of settlement to 1944, by Walter U. Fuhriman. 82 p. Berkeley, Calif., 1946. 1.941 L6Se7 Issued by U.S. Bureau of agricultural economics in cooperation with Oregon State college, U.S. Bureau of reclamation and U.S. Farm security administration.
- Sugar beet seed production in Oregon, by Ray A. Pendleton, H.E. Finnell and F.C. Reimer. Oregon. Agricultural experiment station. Station bulletin no.437, 23 p. 1946. 100 Or3B no.437.
- Two years of farm wage stabilization in California, by William H. Metzler. 65 p. Berkeley, Calif., 1946. 1.941 R3TA3  
Issued by U.S. Bureau of agricultural economics.
- The Washington laying house. Washington. Agricultural extension service. Extension bulletin no.322, 4 p. Rev. 1946. 275.29 W27P no.322.  
(Poultry pointers no.11, Rev.)

#### Forestry

- Cumulative mortality and gross growth on certain permanent sample plots in young Douglas-fir, by Thornton T. Munger. 6 p. 1946. Pamphlet. Munger.
- Forestry futures and conservation misconcepts, by Mary Roddis Connor. 34 p. Wakefield, Mich., The Wakefield News, 1945. 99.61 C762  
The national forests and field offices of the United States Forest service. 6 p. 1946. 1.9 F76Nat  
1947 directory of the Pacific Coast pulp & paper industry. 61 p. 1946. 302.8 P11 1947  
Issued by Pulp & paper industry.
- Production of lumber, lath and shingles in California and Nevada, 1945. U.S. Forest service. California forest and range experiment station. Forest research notes no.50, 7 p. 1946. 1.9 F7623R no.50.
- Report on American big trees. 8 p. 1946. Pamphlet - Trees.  
Issued by American forestry association.
- Trees and the Bible. Texas. Agricultural experiment station. Bulletin no.37, 1946. 100. T31S. no.37.
- West Coast lumberman's handbook and directory of the Western timber industries. 290 p. 1947. 225 W52H 1947.

#### Home economics

- ABC's of mending, by Clarice L. Scott and Bess Viemont Morrison. U.S. Dept. of agriculture. Farmers' bulletin no.1925, 23 p. Rev. 1946. 1 Ag84F no.1925, rev.
- Home canning processes for low-acid foods developed on the basis of heat penetration and inoculated packs, by Edward W. Toepfer and others. U.S. Dept. of agriculture. Technical bulletin no.930, 28 p. 1946. 1 Ag84Te no.930.
- Housefly control, by F.C. Bishopp and L.S. Henderson. U.S. Dept. of agriculture. Leaflet 182, 9 p. 1946. 1 Ag84L no.182.
- How to control fleas, by F.C. Bishopp. U.S. Dept. of agriculture. Leaflet no. 152, 4 p. Rev. 1946. 1 Ag84L no.152.

Making log cabins endure. U.S. Forest service. Forest products laboratory, R982, 14 p. Rev. 1946. 1.9 F761R no.982.

Planning your home, by Esther Pond and Stanley A. Smith. Washington. Extension service. Extension bulletin 352, 20 p. 1946. 275.29 W27P no.352.

Processed fruits and vegetables. 32 p. Chicago, Ill., 1946. (Household finance corporation. Better buymanship, use and care no.4) 321.8 H814 no.4.

Rural handicrafts in the United States, by Allen Eaton and Lucinda Crile. U.S. Dept. of agriculture, Miscellaneous publication no.610, 40 p. 1946. 1 Ag84M no.610.

Miscellaneous

Federal agencies and their relationship to the veteran. 9 p. Chicago, Ill., 1945. 1.957 Su7F31

Issued by U.S. Commodity credit corporation. Office of supply.

Federal personnel manual. Washington, U.S. Govt. print. off., 1945 - date. 165 F312

Issued by U.S. Civil service commission.

Hedgerows, by Nicholas Drahos. New York. Cornell university. College of agriculture. Cornell rural school leaflet V.40, no.2, 32 p. 1946. 275.29 N48R

Hints for the use of the wheatland-type plows for brush eradication in connection with range reseeding, by Joseph H. Robertson and H. Perry Plummer. U.S. Forest service. Intermountain forest and range experiment station. Research paper no.13, 6 p. 1946. 1.9622 I2R31 no.13.

Manhours and payrolls in hazardous industries, state of Washington 1920 - 1944, by Ernest L. Edge. 51 p. Olympia, Wash., 1945. 283 W272

Issued by Washington, State department of conservation and development,

Diy. of progress and industry development, Planning and statistics section.

Physical land conditions in the Matanuska Valley, Alaska, by W.A. Rockie. U.S.

Soil conservation service. Physical land survey no.41, 32 p. 1946. 1.6 So31 no.41

Issued with 13 maps of the area.

Specimen questions from U.S. Civil service examinations. 27 p. Washington. U.S. Govt. print. off., 1945. 165 Sp3

To writers of the Soil conservation service: How does your writing read?, prepared by Tom Dale. 8 p. Rev. 1945. 1.96 R27T

Translating agricultural research into readable newswriting, by T. Swann Harding. 10 p. 1946. 1.914 P2H21

Issued by U.S. Dept. of agriculture. Office of information.

Books may be borrowed for a month unless in demand. Pamphlets are loaned for two weeks plus four days mailing time. If the publication you requested is out, your name will be added to the list and it will be sent as soon as available. Requests are sent in the order received.

Marie L. Gould,  
Librarian



# LIBRARY NEWSLETTER

## U. S. DEPARTMENT of AGRICULTURE

Portland Branch  
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Vol. 6, no. 3.  
March 1947

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Extension 250

### NEW BOOKS IN THE LIBRARY

ABBEY'S LOGGERS, BLUE BOOK, a directory of western loggers and road contractors, includes laws, regulations and other data pertaining to the logging and lumber industry. Annual edition 1947. Portland, Ore., 1947. (No call number).

ABBEY'S REGISTER OF WESTERN SAWMILLS AND ALLIED INDUSTRIES, covering all states west of the Rockies and British Columbia, Alberta, Saskatchewan and Alaska. 1945-1946. Portland, Ore., 1946? 225 AblW

THE EXECUTIVE IN ACTION, by Marshall Edward. 276 p. New York, Harper, 1945.  
249 D59

This book is a detailed analysis of the day-by-day work of a top executive from first-hand experience. Management review says of it: "The author has produced a work of permanent value in which he presents an exposition of principles, techniques and underlying philosophy that may be termed a notable contribution to advancement of knowledge and understanding of the art of management. He has accomplished this while creating a thoroughly readable text, characterized by incisive reasoning lucidity of expression, charm of style, and power of synthesis. It is neither a textbook nor a case study... It is the sort of companionable volume which one wants to keep near at hand and into which one may dip at random with the assurance that wherever the eye lights upon the text, there is apt to be discovered a striking thought, a challenging statement, or a bit of sound philosophy to stimulate one's own reflection."

FARM ORGANIZATION AND MANAGEMENT, by G.W. Forster. Rev. ed. 490 p. N.Y., Prentice-Hall, inc., 1946. 281.12 F77 1946.

Two chapters on farm accounting have been added, the section on selection and acquisition of farm power has been extended and other changes have been made.

FOREST SOILS, by Harold J. Lutz and Robert F. Chandler, jr. 514 p. New York, J. Wiley & sons, inc., 1946. 56.3 L97

A thorough treatment of soil science in its relation to the growth and distribution of forest trees. Emphasis is on the soil as a natural body. Important world research is summarized, interpreted, and critically analyzed.

HEALTH FROM THE GROUND UP, by Karl B. Mickey. 125 p. Chicago, International harvester company, 1946. 56.6 In8

IRRIGATION PRINCIPLES AND PRACTICES, by Orson W. Israelsen. 422 p. N.Y., J. Wiley & sons, inc., 1946. 55 Is7

Recommended by SCS to their employees studying for P-1 exams.

The author recognizes the need of a study of the elements of the physical properties of soils as a basis for intelligent advancement of practices in the application of irrigation water. General irrigation practices are discussed, then special problems such as alkali, evaporation and humid climates. Separate chapters are given to the irrigation of cereals, alfalfa, sugar beets, potatoes and orchards.

PACIFIC CREST TRAILS, from Alaska to Cape Horn, by Joseph T. Hazard. 317 p. Seattle, Wash., Superior publishing co., 1946. 125 H33

A guidebook for mountaineers and campers who want to explore the Pacific slopes of North and South America. Anecdotes and practical advice are blended.

PERSONALITY AND ENGLISH IN TECHNICAL PERSONNEL, by Philip McDonald. 424 p. New York, D. Van Nostrand company, inc., 1946. 249.3 M14

This book was reviewed and recommended in USDA Dec. 23, 1946. It recognizes the fact that a technician may limit his outlook by too great specialization and suggests interests to cultivate which will prevent this. Other problems confronting technical personnel are discussed. The whole problem of English is presented: report writing, letters, language, vocabulary. Wise reading to develop background is stressed and helpful suggestions outlined.

PREPARATION AND USE OF VISUAL AIDS, by Kenneth B. Haas and Harry Q. Packer. 224 p. New York, Prentice-Hall, 1946. 275 H11

Visual aids are effective in all types of instruction and job training. This book is designed to give the fundamentals in their preparation and use. Visual aids described are: Motion pictures; stripfilm and slidefilm; training slides; opaque projector; maps, charts, graphs, and diagrams; posters; pictures; blackboard; models and specimens; training laboratory; field trips and television.

THE PRINCIPLES OF HANDLING WOODLANDS, by Henry Solon Graves. 325 p. N.Y., J. Wiley & sons, 1911. 99.45 G78

Of interest to foresters and on the recommended list for soil conservationists.

PROCEEDINGS 1945 of the SOIL SCIENCE SOCIETY OF AMERICA. 525 p. Morgantown, W. Va., 1946. 56.9 So3 Vol.10 1945

Contents include papers on the following subjects: Soil physics, Soil chemistry, Microbiology, Soil fertility, Soil genesis, morphology, and cartography (Articles on forest soils in this section), Soil technology.

Haddock, J.L. and Vandecaveye, S.C. - Yield and chemical composition of alfalfa on two Western Washington soil types. p.129-133.

THE REVOLT OF THE SOUTH AND WEST, by A.G. Mezerik. 290 p. N.Y., Duell, Sloan and Pearce, 1946. 280.12 M57

The author is a journalist who has travelled in the U.S. and tried to get a representative opinion. He tells the story of the states, such as Montana, which he says, are regulated by big eastern corporations.

ROOT DEVELOPMENT OF FIELD CROPS, by John E. Weaver. 291 p. N.Y., McGraw-Hill Book co., inc., 1926. 64 W37

In dealing with the various cultivated plants, all available data has been gathered to present a general view of the root development of crops in the United States. Frequently, half - and often much more - of every crop plant is invisible. This portion consists entirely or largely of roots which extend far into the soil. To understand root habits and activities, it is necessary to know the surroundings. So, the first chapter is on the soil. Later on, the root habits of individual plants are considered; wheat, rye, oats, barley, corn, sorghum, grasses, sugar beet, alfalfa, clovers, potato and the sunflower.

ROOT DISEASE FUNGI, a treatise on the epidemiology of soil-borne disease in crop plants, and a first exposition of the principles of root disease control, by S.D. Garrett. 177 p. Waltham, Mass., The Chronica botanica company, 1944. (*Annales cryptogamicci et phytopathologici*, edited by Frans Verdoorn. Vol.I) 450 An77 V.1

Principles of root disease control are fully expounded for the benefit of all practising plant pathologists. Control measures are classified separately for field, plantation and glasshouse crops. A special feature is the full treatment of root disease control in tropical and subtropical crops, but no important root disease of any crop has been omitted. Of particular interest to soil microbiologists are the chapters on biology and evolution of the root-infecting fungi.

THE THEORY AND PRACTICE OF ICE CREAM MAKING, by Hugo Henry Sommer. 704 p. 5th ed. Madison, Wis., 1946. 389.2 So52 Ed.5

This book was written with the aim of covering both the theoretical and practical phases of ice cream making in a comprehensive manner. It is practical and includes descriptions of all processes. There are menus and directions for ices and sherbets as well. Here you will find the reason for commercial ice cream being more rich and nutritious than "home-made" ice cream, notwithstanding the claims made by sentimental enthusiasts. The mystery of rainbow ice cream is here revealed.

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#### SELECTED NEW PAMPHLET MATERIAL

##### Conservation

A guide for supervisors of Soil conservation districts in Washington. Washington Extension service. Circular 103, 7 p. 1946. 275.29 W27C no.103.

Range condition, a classification of the grass-oak-brush forage type for the Willits Soil conservation district, by E.M. Jones. 16 p. Willits, Calif., 1946. (No call number)

Soil conservation during the war, by George W. Collier. 25 p. Washington, D.C., 1946. (War records monograph - 2) 1.941 A5W192

Issued by U.S. Soil conservation service.

##### Farming

Bacterial ring rot of potatoes, by C.S. Owens and J.L. Milbrath. Oregon Agr. Expt. Sta. Station circular of information no.399, 5 p. 1947. 100 Or30 no.399.

The beef calf: its growth and development, by E.W. Sheets. U.S. Dept. of agriculture. Farmers' bulletin no.1135, 28 p. Rev. 1946. 1 Ag84F no.1135.

Control of the pear thrips on prunes in Oregon, by S.C. Jones and Don C. Mote. Oregon. Agr. Expt. Sta. Station circular of information no.401, 4 p. 1947. 100 Or3C no.401.

Control of weeds on irrigation systems. 71 p. 1946. (No call number)

Issued by U.S. Dept. of the interior, Bureau of reclamation.

Crested wheatgrass, by H.L. Westover and George A. Rogler. U.S. Dept. of agriculture. Leaflet no.104, 8 p. rev. 1947. 1 Ag84L no.104, rev.

Crown treatment for hop downy mildew control, by G.R. Hoerner. Oregon. Agr. Expt. Sta. Station circular of information no.402, 3 p. 1947. 100 Or3C no.402.

Culling the poultry flock, by Noel L. Bennion. Oregon. Extension service.

Extension bulletin no.673, 16 p. 1946. 275.29 Or32B no.673.

Farm and ranch planner's guide. 1944. (No call number)

Issued by U.S. Soil conservation service. Pacific Coast region 7.

The farm real estate situation, 1945-46, by M.M. Regan and A.R. Johnson. U.S.

Dept. of agriculture. Circular no.754, 45 p. 1947. 1 Ag84C no.754.

Feeding and management of chicks and pullets. Washington. Agr. Ext. Serv.

Extension bulletin no.356, 10 p. 1947. 275.29 W27P no.356.

A method of estimating water requirements in irrigated areas from Climatological data, by Harry F. Blaney and Wayne D. Criddle. 1945. 1.96 R31Met

Issued by U.S. Soil conservation service.

A report by the Division of irrigation for the western regional offices of the Soil conservation service.

Minerals for livestock, by Tony J. Cunha. Washington. Agricultural experiment station. Popular bulletin no.183, 29 p. 1946. 100 W27E no.183.

The raising of cavies (Guinea pigs) by M.P. Chapman. Oregon. Agr. Expt. Sta.

Station circular of information no.400, 4 p. 1947. 100 Or3C no.400.

Soil fumigants for weed control, by Virgil H. Freed. Oregon. Agr. Expt. Sta.

Station circular of information no.403, 4 p. 1947. 100 Or3C no.403.

Soil management practices in the orchard, by T.A. Merrill. Michigan. Agr. Expt. Sta. Circular bulletin 199, 30 p. 1946. 100 M58S no.199.

Spraying for the control of the filbert worm and filbert blight in Oregon, by P.W. Miller and B.G. Thompson. Oregon. Agr. Expt. Sta. Station circular of information no.404, 3 p. 1947. 100 Or3C no.404.

Studies of parasites in Oregon sheep on irrigated pasture, by J.N. Shaw, and O.H. Muth. Oregon. Agricultural experiment station. Station bulletin no.440, 19 p. 1946. 100 Or3B no.440.

Suggestions for growing Easter lily bulbs in the Pacific Northwest, by Frank P. McWhorter, S.L. Emsweller and Philip Brierley. Oregon. Agr. Expt. Sta. Station circular of information no.398, 13 p. 1947. 100 Or3C no.398.

The Croft lily is among the varieties described as suitable for this region.

Summer crops for green manure and soil improvement, by Roland McKee. U.S. Dept. of agriculture. Farmers' bulletin no.1750, 16 p. rev. 1947. 1 Ag84F no.1750, rev.

Water-application efficiencies in irrigation, by Orson W. Israelsen and others..

Utah. Agricultural experiment station. Bulletin 311, 55 p. 1944. 100 Utl no.311.

## Forestry

Annual fire weather summary for Oregon, 1946. 140 p. Portland, Ore., 1947?

1 W37Fo 1946.

Issued by U.S. Dept. of commerce, Weather bureau.

Annual fire weather report for Washington, season 1946. 35 p. 1947? 1 W37Fw 1946.

Issued by U.S. Dept. of commerce, Weather bureau.

- Basic forest statistics for the United States - as of beginning of 1945. U.S. Forest service, O-22, 15 p. 1946. 1.962 B29
- Economic aspects of forest-fire protection and damage, a list of references, compiled by R.C. Watrous. U.S. Dept. of agriculture. Library list no.34, 48 p. 1947. 1.916 L612 no.34.
- Forest insect conditions in Oregon and Washington, 1938-1942. 57 p. Portland, Ore., 1945. (No call number).
- Issued by U.S. Dept. of agriculture. Bureau of entomology and plant quarantine. Division of forest insect investigations.
- Proceedings of the 37th annual meeting. '56 p. Portland, Oregon, The Western forestry and conservation association, 1946. 99.9 W522 1946.
- Redwood, a report of fundamental investigations and related application studies for the Pacific lumber company, 1937 - 1945, by The Institute of paper chemistry. 235 p. 1945. (No call number).
- State forest tax law digest of 1945. Washington, D.C., 1945. 99.72 M95S  
Issued by U.S. Forest service. Division of forest economics.
- Home economics
- Effect of parboiling and related treatments on the milling, nutritional and cooking quality of rice, by Jenkin W. Jones, Lawrence Zeleny and John W. Taylor. U.S. Dept. of agriculture. Cir. no.752, 15 p. 1946. 1 Ag84C no.752.
- Grain products. Household finance corporation. Better buymanship, use and care series, no.28, 32 p. 1947. 321.8 H814 no.28.
- Money management, the clothing dollar. 43 p. Rev. Chicago, Household finance corporation, 1946. Pamphlet. Household finance.
- Nutritive value of the per capita food supply, 1909-45, by Faith Clark and Berta Friend and Marguerite C. Burk. U.S. Dept. of agriculture. Miscellaneous publication no.616, 36 p. 1947. 1 Ag84M no.616
- Standardization and inspection of fresh fruits and vegetables, by Raymond L. Spangler. U.S. Dept. of agriculture. Miscellaneous publication no.604, 28 p. 1946. 1 Ag84M no.604.
- World food survey. 39 p. Washington, 1946. (No call number).  
Issued by United Nations, Food and agriculture organization.
- Miscellaneous
- Agricultural processing industries. U.S. Bureau of reclamation. Columbia Basin joint investigations. Problem 24, 120 p. Washington, D.C., 1945. 156.85 J66 no.24.
- The big 4 in Germany, by David L. Glickman. National planning association. Planning pamphlets nos.54 and 55; 79 p. 1947. 280.7 N21P no.54-55.
- Crop production. U.S. Bureau of agricultural economics. 1946. 1.941 S8W56 Statistics of yield per acre and total production for principal crops by states.
- DDT, what it is and how to use it, by Gail Compton. 15 p. Chicago, Tribune co., 1946. 423 C732
- Dairy and poultry market statistics 1945. U.S. Dept. of agriculture. Production and marketing administration. CS - 18, 70 p. 1946. 1.9422 A8C732 no.18.
- Annual summary of market statistics collected and compiled by Dairy and poultry market news division.
- Dare farmers risk abundance? National planning association. Agriculture committee. Planning pamphlet no.56, 53 p. 1947. 280.7 N21P no.56.  
This pamphlet was adopted as an agriculture committee report. A discussion guide was prepared by J.P. Schmidt in an effort to broaden the usefulness of this pertinent and timely material.

- Directory of the Meat inspection division. 61 p. 1946. 1 F733D  
Issued by U.S. Dept. of agriculture. Production and marketing administration.  
Estimation of the composition of beef carcasses and cuts, by O.G. Hankins and  
Paul E. Howe. U.S. Dept. of agriculture. Technical bulletin no.926, 20 p.  
1946. 1 Ag84Te no.926.
- FAO, food and agriculture organization of the United Nations; cornerstone for a  
house of life, by Gove Hambridge. 24 p. Washington, D.C., Food and Agriculture  
Organization of the United Nations, 1946. 1946. 389.9 F735C
- Horsemanship. 18 p. Missoula, Mont., 1946(?). (No call number).  
Issued by U.S. Forest service. Region one.
- How can we teach about sex? by Benjamin C. Gruenberg. N.Y., 1946. Public affairs  
pamphlet no.122. 280.9 P964 no.122.
- Keep our press free! by Robert E. Cushman. 32 p. 1946. Public affairs pamphlet  
no.123. 280.9 P964 no.123.
- National turkey improvement plan. U.S. Dept. of agriculture. Miscellaneous  
publication no.555, 24 p. rev. 1946. 1 Ag84M no.555, rev.
- Personnel administration publications. U.S. Dept. of agriculture. Library.  
Library list no.33, 6 p. 1947. 1.916 L612 no.33.  
This list consists of readings in personnel administration recommended by  
the Office of personnel, U.S. Dept. of agriculture.
- Poison oak (*Rhus diversiloba*), by Lawrence Jenkins, Virgil H. Freed and E.R. Jack-  
man. Oregon. Extension service. Extension bul. 672, 4 p. 1946. 275.29  
Or32B no.672.
- Progress report of special agricultural investigations authorized by the Oregon  
legislature, by Ralph S. Pesse and Robert M. Alexander. Oregon. Agr. Expt.  
Sta. Station circular of information no.397, 34 p. 1947. 100 Or3C no.397.
- Publications on agricultural cooperation. U.S. Farm credit administration.  
Circular A-23, 18 p. Rev. 1946. 166.2 C4922 no.23.
- Recovery in Europe, by John Kenneth Galbraith. 39 p. Washington, D.C., National  
planning association, 1946. (Planning pamphlets no.53) 280.7 N21P no.53.
- Soil, a foundation of health, by Arnold P. Yerkes. 12 p. Chicago, International  
harvester company, 1946. (No call number).

#### HOW TO USE THE LIBRARY

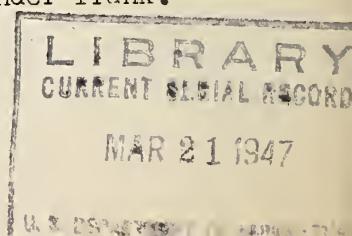
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# LIBRARY NEWSLETTER

## U. S. DEPARTMENT OF AGRICULTURE

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Vol. 6, no. 4.  
April 1947.

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Extension 250

### Reading vs. Weather

Research in public library circulation shows that: "A storm is normally preceded by a tendency toward diminished use of books and followed by increased use." It is hoped that none of the employees of the USDA in Oregon, Washington or Idaho is waiting for a storm. Due to the agreeable climate, they might never become acquainted with the fine books available for their use in the library created for them - PORTLAND BRANCH.

### NEW BOOKS IN YOUR BRANCH LIBRARY

ACCIDENT PREVENTION MANUAL FOR INDUSTRIAL OPERATIONS, 1946. 534 p. Chicago, Ill., National safety council, 1946. 449.9 N212A

A statement of methods used in setting up a safety organization, of means used to enlist employee co-operation, and of materials and services offered by the National safety council are included. There is a table of chemical hazards, chapters on: Fire and explosion causes, how to load and unload, industrial hygiene.

ALASKA'S ANIMALS AND FISHES, by Frank Dufresne. 297 p. N.Y., A.S. Barnes and co., 1946. 411.2 D87

A naturalist's survey of Alaskan wild life. The author has been active for many years in the work of the Alaska game commission. The book has an abundance of illustrations and a map showing the geographical distribution of wildlife.

THE BIRDS OF AMERICA, by John James Audubon. 435 p. New York, Macmillan, 1946. 413 Au2 1946.

"John James Audubon was probably the greatest of American naturalists and undoubtedly the greatest of all bird painters. During the major part of his life he travelled through the then frontier country of America painting birds in their native habitats. His great work 'The birds of America' was engraved and printed in England in an edition of fewer than two hundred." Now, these superb illustrations are reproduced and made available to all bird lovers.

FEDERALISM AND INTERGOVERNMENTAL RELATIONS, a budget of suggestions for research, by William Anderson. 192 p. Chicago, Public administration service, 1946. 280.12 An2F

"Prepared on behalf of the Committee on public administration and the Committee on government of the Social science research council." This study is issued as one of the series of Research outlines put out by the Committee on public administration.

The Committee on government endeavored to survey the whole field of political science with a view to marking out areas in which research is especially needed while the Committee on public administration worked intensively in a more limited field.

FIELD-CROP ENTERPRISES, by Kary C. Davis and others. 552 p. Chicago, J.B. Lippincott co., 1946. 64 D29 1946.

This revised edition contains new sections on soils entitled: (1) Soil and other plant relationships; (2) Conservation and improvement of soils; (3) Land drainage; (4) Terracing - preventing soil erosion. The soils treatments in all sections of the book have been revised and improved including suggested rotations, cover crops, green manure, culture, tillage and soil management for the special crops and regions. Experiment station findings relating to field crops, soils and fertilizers are also included.

FOREST TREE BREEDING AND GENETICS, by R.H. Richens. Imperial agricultural bureaux. Joint publication no.8, 79 p. Aberystwyth, Wales, 1945. 10 Im73 no.8.

"The aim of this bulletin is to collate the literature on forest tree breeding that has appeared since 1930. General principles are considered first and are followed by separate accounts of the information relating to the more important forest trees investigated by breeders." - From the preface.

HAMMOND'S STANDARD ATLAS AND GAZETTEER OF THE WORLD, WITH PHYSICAL, POLITICAL AND RESOURCE MAPS, ILLUSTRATED DESCRIPTIVE GAZETTEERS, PICTORIAL HISTORY OF WORLD WAR II, ILLUSTRATED WORLD GEOGRAPHY, RACES OF MANKIND, NEW INDEXES. 296 p. New York. 1947. 225 H18S

For reference use in the library.

HOW TO MAKE A LIVING OFF A TWENTY-ACRE FARM, by Jack Bannick. 62 p. N.Y., Hobson book press, 1946. 281.2 B223

The joys of farming as experienced by a former factory worker and his wife who love their country life and consider its advantages superior to anything the city can offer.

MAKING PIGEONS PAY; A MANUAL OF PRACTICAL INFORMATION ON THE MANAGEMENT, SELECTION BREEDING, FEEDING AND MARKETING OF PIGEONS, by Wendell Mitchell Levi. 263 p. New York, Orange Judd publishing company, inc., 1946. 47.2 L57M

MANAGING YOUR MIND. YOU CAN CHANGE HUMAN NATURE, by S.H. Kraines and E.S. Thetford. 374 p. New York, Macmillan, 1946. 140 K85 1946.

"Today's harassed business and professional man suffers as much from 'civilization' as from disorders of organic origin. When there is no proper outlet for emotions which have been aroused and physical responses which have been stimulated, a state of tension is created and frequently presents itself through purely physical symptoms."

This book explains to what extent man can control and direct his actions, thoughts, and feelings. Many illustrative stories of particular cases make it more interesting.

SOILS AND FERTILIZERS FOR GREENHOUSE AND GARDEN, by Alex Laurie and D.C. Kiplinger. 119 p. New York, N.Y., A.T. De La Mare company, inc., 1946. 57 L37 1946.  
"The object of this revision of the book originally published in 1930 is to bring up-to-date the information acquired since then and to point the way to better crops by applying such knowledge." The authors discuss such subjects as: Soil aeration, Soil sterilization, Cover crops and composts and Nutrient deficiencies.

TEXTBOOK OF GENERAL BOTANY FOR COLLEGES AND UNIVERSITIES, by Richard M. Holman and Wilfred W. Robbins. 664 p. 4th ed. N.Y., J. Wiley & sons, inc., 1946. 463 H73 Ed.4.

Recommended by SCS to employees seeking P-1 grade. A standard text.

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#### SELECTED NEW PAMPHLET MATERIAL

##### Farming

Control of insect pests and diseases of prunes in Western Oregon. Oregon. Agr. Expt. Sta. Station circular of information no.405, 4 p. 1947. 100 Or3C no.405.

Farm opportunities, prospects, problems, and policies. Washington, D.C., Rev. 1946. 1.941 L2F225

Issued by U.S. Dept. of agriculture. Bureau of agricultural economics.

"A revision of the report prepared in May 1945 by Land settlement work group of the Interbureau committee on postwar agricultural programs."

Housing farm help, by Hobart Beresford and others. Idaho. University. College of agriculture. Extension bulletin 156, 20 p. 1946. 275.29 Id13 no.156.

Improving farm and ranch tenure in the Northern plains. Montana. Agricultural experiment station. Bulletin no.436, 32 p. 1946. 100 M76 No.436.

"Report number one of the tenure committee Northern great plains agricultural advisory council."

Propagation of fruit plants, by C.J. Hansen and E.L. Eggers. California. Agricultural extension service. Circular 96, 62 p. Rev. 1946. 275.29 Cl2C no.96

Raising mink, by Charles E. Kellogg and Charles F. Bassett. U.S. Dept. of agriculture. Bureau of animal industry. A.H.D. no.101, 15 p. Rev. 1946. 1.9 An52Ah

Spray program for the control of diseases and insect pests of peaches in Western Oregon. Oregon. Agr. Expt. Sta. Station circular of information no.406, 4 p. 1947. 100 Or3C no.406.

Spray program for the control of diseases and insect pests of sweet cherries in Western Oregon. Oregon. Agr. Expt. Sta. Station circular of information no.407, 5 p. 1947. 100 Or3C no.407.

The use of the jeep and the one-half ton army truck on the farm, by W.H. Johnson. Washington. Agricultural experiment station. Bul. no.477, 16 p. 1946. 100 W27E no.477.

Weeding vegetable crops of the carrot family with oils, by A.S. Crafts. Davis, Calif., 1946. 79 C84

Issued by California, University, College of agriculture, Division of botany.

Wheat production and properties of Palouse silt loam as affected by organic residues and fertilizers, by Henry W. Smith, S.C. Vandecaveye and L.T. Kardos. Washington. Agr. Expt. Sta. Bulletin no.476, 23 p. 1946. 100 W27E no.476.

The wheat stem maggots of the genus Meromyza in the Pacific Northwest, by L.P. Rockwood, S.K. Zimmerman and T.L. Chamberlin. U.S. Dept. of agriculture. Technical bul. 928, 18 p. 1947. 1 Ag84Te no.928.

#### Forestry

Annual wildlife report, region six, 1946. 7 p. Portland, Or., 1947. 1.9 F766Wr 1946.

Issued by U.S. Forest service.

Forty-first and forty-second annual reports...for the period commencing November 1 1944 and ending December 31, 1946. Olympia, Wash., 1947. 99.9 W27 1944-46.

Issued by Washington (State), Dept. of conservation and development, Div. of forestry.

Passage of liquids, vapors and dissolved materials through softwoods, by Alfred J. Stamm. U.S. Dept. of agriculture. Technical bul. 929, 80 p. 1946. 1 Ag84Te no.929.

The prediction of growth in uneven-aged timber stands on the basis of diameter distributions, by Jesse H. Buell. Duke university. School of forestry.

Bulletin 11, 70 p. 1945. 99.08 D88Fb no.11.

The seasoning of transverse tree sections, by Edward C. Peck. U.S. Forest products laboratory. Report no.R1187, 14 p. rev. 1945. 1.9 F761R no.R1187.

Wood and paper-base plastics, by Alfred J. Stamm. U.S. Forest products laboratory Report no.R1438, 14 p. rev. 1946. 1.9 F761R no.R1438, rev.

#### Home economics

Be your own upholsterer, by Florence E. Wright. N.Y., Cornell university. College of agriculture. Extension division. Bulletin 648, 74 p. Ithaca, N.Y., 1944. 275.29 N48E no.648.

An examination of the government food subsidy program. Should government funds be used to pay part of the nation's grocery bill? 14 p. Washington, D.C., 1946. 284.3 C3522.

Issued by Chamber of commerce of the United States. Agricultural department.

Upholstering at home, by Madonna Fitzgerald and Louise Woodruff. Missouri. Extension service. Circular 511, 20 p. 1944. 275.29 M69C no.511.

Upholstery at home, by Gladys E. Stratton. Connecticut. University. Extension service. Bul. 366, 24 p. 1945. 275.29 C76B

World food situation, 1946-47. U.S. Dept. of agriculture. Office of foreign agricultural relations. WFP 3-46, 115 p. 1946. 1.943 F7625 WFP-3.

#### Miscellaneous

Adobe construction, by J.D. Long. Rev. by L.W. Neubauer. California. Agr. Expt. Sta. Bulletin 472, 63 p. Rev. 1946. 100 C12S no.472, rev.

Agricultural climatology, physical belts and crop ecology of Palestine and Trans-Jordan and their climatic analogues in the United States, by M.Y. Nuttonson.

U.S. Dept. of agriculture. Office of foreign agricultural relations.

Foreign agriculture report no.14, 23 p. 1946. 1.943 F763 no.14.

The agricultural conservation program. 1947 handbooks. 1947. 1.42 Ea7B Library has handbooks for California, Idaho, Nevada, Oregon, Washington.

Issued by U.S. Production and marketing administration.

The balance sheet of agriculture, by Norman J. Wall. 10 p. Washington, D.C., 1946. 1.941 F2W15

Issued by U.S. Bureau of agricultural economics.

- Big-game inventory of the United States, 1943. U.S. Dept. of the interior.  
Fish and wildlife service. Wildlife leaflet 283, 9 p. 1946. 156.22 F52  
no.283.
- A charcoal kiln made of cinder-concrete blocks, by A. Richard Olson and Henry W. Hicock. Connecticut. Agr. Expt. Sta. Bul. 494, 30 p. 1946. 100 C76St no.494.
- A consumer survey of where the post-war dollars want to go conducted by Gregory advertising, inc. 24 p. Cleveland, Ohio, 1946? 280.32 G86  
Gives data on equipment and repair needs for the farm and farm home and the percentage of farmers in need of each item.
- Exhibit pictures from the four regional research laboratories. U.S. Dept. of agriculture. Misc. pub. 617, 54 p. 1947. 1 Ag84M no.617.
- Federal-state cooperative snow surveys and irrigation water forecasts for Columbia Basin and Oregon are received regularly in Portland Branch Library.
- Home tanning of leather and small fur skins, by R.W. Frey, I.D. Clarke and F.P. Veitch. U.S. Dept. of agriculture. Farmers' bul. 1334, 24 p. Rev. 1947. 1 Ag84F no.1334, rev.
- Marketing margins and costs for livestock and meat, by Knute Bjorka. U.S. Dept. of agriculture. Technical bul. 932, 102 p. 1947. 1 Ag84Te no.932.
- North American agro-climatic analogues of prewar Czechoslovakia, Poland, and certain areas of East Prussia, Pomerania, G.M. Posen, West Prussia, Brandenburg, and Silesia, by M.Y. Nuttonson. U.S. Foreign agriculture report no.18, 10 p. 1947. 1.943 F763 no.18.
- Published information on foreign agriculture, January 1937 to December 1946. 56 p. Washington, D.C., 1947. 1.943 In3  
Issued by U.S. Office of foreign agricultural relations. Div. of foreign information and statistics.
- Seed trade buyers guide 1947. 240 p. 225 Se3 1947.  
Annual issue by Seed world.
- Surveying tables. U.S. War department. Technical manual no.5-236, 392 p. Washington, D.C., 1940. 152 T22 no.236.
- 2, 4-D as a weed killer, by W.A. Harvey and W.W. Robbins. California. University. Agr. Ext. service. Cir. 133, 8 p. 1947. 275.29 C12C no.133.
- United States tariff rates on agricultural products, by C.F. Wells. Rev. 131 p. Washington, D.C., 1946. 1.9 Ec752T  
Issued by U.S. Bureau of agricultural economics. A complete history of each rate from September 1922 to May 1946.
- Wages and wage rates of farm workers in the potato, sugar beet, and cotton harvests, California, 1945, by Wm. H. Metzler. U.S. Bureau of agricultural economics. Surveys of wages and wage rates in agriculture, report number 14, 34 p. 1946. 1.941 R3Su7 no.14.
- What do you know about blindness? by Herbert Yahraes. Public affairs pamphlet no.124, 32 p. 1947. 280.9 P964 no.124.
- Working with people. Milwaukee, Wis., 1942. 1.9605 W89  
Issued by U.S. Dept. of agriculture, Soil conservation service, Upper Mississippi region.  
SCS people have been interested in finding the best book on salesmanship in connection with "selling" soil conservation to the farmers. It seems to be accepted that this publication has the most useful information.
- World rice production and trade, by Fred J. Rossiter, L. Thelma Willahan and William E. Cummings. U.S. Dept. of agriculture. Office of foreign agricultural relations. Foreign agriculture report no.15, 60 p. 1946. 1.943 F763 no.15.

PERIODICAL NOTES

The following periodicals are now available for circulation:

**THE FARM QUARTERLY.** q. Cincinnati, Ohio. This is a new magazine that looks very promising. Although published in the Mid-west, it contains many articles of general interest on farming.

**FEDERAL SCIENCE PROGRESS.** m. Issued by U.S. Dept. of commerce. Office of technical services. A report on all phases of government research.

**TIMELY ECONOMIC INFORMATION FOR WASHINGTON FARMERS.** irreg. Issued by Washington State college.

**U.S. Bureau of agricultural economics. FARM COST SITUATION.** q.

**U.S. Bureau of agricultural economics. HOP MARKET REVIEW.** Production and marketing administration. Grain Branch.

Report on Pacific Northwest hop markets and domestic fermented malt liquors.

**U.S. Office of foreign agricultural relations. FOREIGN AGRICULTURAL TRADE.**

Statistics of United States foreign trade in agricultural products. Comparison with the previous year is given.

**U.S. Dept. of the interior. Fish and wildlife service. PROGRESSIVE FISH CULTURIST.** News and views from many sources on practical hatchery problems.

**WESTERN LIVESTOCK REPORTER.** w. Published in Billings, Montana. Covers Washington, Oregon, Idaho, Montana, North and South Dakota and Wyoming.

**WORLD TRADE LETTER.** U.S. Dept. of commerce. Portland district office.

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## U. S. DEPARTMENT of AGRICULTURE

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Vol. 6, no. 5.  
May 1947

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Extension 250

### NEW BOOKS IN YOUR BRANCH LIBRARY

DWARF FRUIT TREES FOR HOME GARDENS, by I.B. Lucas. 123 p. N.Y., A.T. De La Mare company, inc., 1946. 93.5 L962

The first chapter is entitled: "Why you will want to grow dwarf fruit". The author says: "This is my story of dwarf fruit trees and their superiority over the old fashioned standard fruit trees. It will show what is possible in any sunny back yard, no matter how small. While it opens up a whole new world of garden pleasures it also names the terms on which you may succeed with them.

ELEMENTS OF SOIL CONSERVATION, by Hugh Hammond Bennett. 416 p. N.Y., McGraw-Hill, 1947. 56.7 B43E

The book so many of you have inquired about is now here. Very little of the text, particularly the technical information, has been presented in other books. Mr. Bennett undertook to brief for the student the more important aspects of the serious problem of soil wastage and methods of soil conservation. Regional variations are discussed. There is a large amount of technical information in easy-to-understand language written in an interesting style. All data, including discussions of techniques, are thoroughly up-to-date.

Questions providing material for class-room discussion follow each chapter and the book contains a helpful list of correlated visual aids - motion pictures and film strips.

ELMER WHEELER'S TESTED PUBLIC SPEAKING, by Elmer Wheeler. 2d ed. 214 p. N.Y., Prentice-Hall, 1947. 145.2 W56 Ed.2

"Agricultural leaders who train public speakers and who do considerable speaking before farm audiences will find it an invaluable guide to every man who wants to make his speeches 'click'. The author shows you the importance of the 'sizzle' in a speech - tells you how to find it - and how to use it. It gives you helpful pointers on building a speech - tells you how to act on the platform - how to get the attention from the audience - what to do when distractions occur." - Better farming methods.

THE FEDERAL FIELD SERVICE, AN ANALYSIS WITH SUGGESTIONS FOR RESEARCH, by Earl Latham. 70 p. Chicago, Published for the committees by Public administration service, 1947. 280.12 L34

Prepared on behalf of the Committee on public administration and the Committee on government of the Social science research council.

The author intended this publication to "mark out a field for study and research in the problems of the federal field service. Chapters 1-3 deal with problems of organization; chapters 4-6 with major problems of administrative services; and chapters 8-11 with some of the problems which arise because administration works with and through people. The last chapter considers problems from the point of view of the chief executive which encompasses the federal field establishment in its totality.

A FEW BRASS TACKS, by Louis Bromfield. 303 p. N.Y., Harper, 1946. 280.12  
B784

Bromfield says that a nation's real wealth is measured by its natural resources. The only way to abundance is to conserve our resources and follow the policy outlined which, he says, will lead to high yield, low cost and prosperous trade.

500 COMMON GARDEN MISTAKES CORRECTED. 89 p. N.Y., American garden guild, inc., 1945. 90.1 Am3

Mistakes to avoid in growing: Annuals, bulbs, evergreens, fruit, house plants, lawns, perennials, roses, shrubs, trees, vegetables, wildflowers, or in using: insecticides, fungicides, fertilizers and soils. There is a miscellaneous section for a variety of mistakes to avoid in gardening having to do with: coldframes, thinning, toads and other "friends", sowing and planting, etc.

GREENHOUSE GARDENING FOR EVERYONE, by Ernest Chabot. 266 p. N.Y., M. Barrows and company, inc., 1946. 90.13 C34

A book which answers all the questions about gardening under glass. Describes greenhouses, heating, ventilation and automatic watering. Amateurs invited.

There was a time when a greenhouse was considered an expensive luxury. Now new materials, designs, and manufacturing methods have brought costs down, and automatic electrical equipment, controlled by thermostats and time-switches does much of the work for you.

THE HOME FREEZER HANDBOOK, by Gerald John Stout. 345 p. N.Y., D. Van Nostrand, 1947. 389.3 St7

Here, at last, all practical information about frozen foods has been gathered in one book by a qualified expert. Included are detailed, step-by-step directions - not only for choosing the best ready built freezer for particular needs - but also for constructing and operating the home or farm freezer at very low cost. Practical, tested methods on quick freezing, storing and preparing all meats, poultry, fish, vegetables, fruits - even complete meals and ready-to-bake pies. The answers to every possible question about the magic of quick freezing.

HOW TO CREATE JOB ENTHUSIASM, by Carl Heyel. 248 p. N.Y., McGraw-Hill book company, inc., 1942. 249.3 H51H

The author recognizes the importance of enthusiasm in getting the job well done and making tasks more pleasant. The outside factors that contribute so greatly to enthusiasm are for the most part definitely within management's power to manipulate. Four manifestations of enthusiasm are discussed: the "mail-must-go-through" attitude, the "we" attitude, spontaneous discipline and cheerfulness.

HOW TO FILE BUSINESS PAPERS AND RECORDS, by Allen Chaffee. 186 p. N.Y., McGraw-Hill book company, inc., 1938. 243.2 C34  
A practical manual dealing with filing systems and equipment in use today.

INDUSTRIAL AND COMMERCIAL GEOGRAPHY, by Joseph Russell Smith and M. Ogden Phillips. 3d ed. 978 p. N.Y., H. Holt, 1946. 278 Sm5I Ed.3

In the recent past power-driven mechanisms have enabled men of this generation to be vastly more productive than their grandfathers were. Every important new mechanism changes the relation of man to the earth, changes the total of available resource, makes industry in new places and unmakes it in old centers. Today we inhabit a different world from the one into which we were born - a world made new by the power age.

In the first 733 pages the authors describe the great industries and the great economic activities, each set in a geographic mold. The last 224 pages are an analysis of world commerce, the rise of trade centers, the evolution of trade routes, and of the more recent airways, with concluding observations on certain trends in human affairs. - Adapted from the preface.

LANGUAGE HABITS IN HUMAN AFFAIRS: AN INTRODUCTION TO GENERAL SEMANTICS, by Irving J. Lee. 278 p. N.Y., Harper, 1941. 140 L51

Recommended by the U.S. Forest service in the Washington office information digest as follows: "Here is an unique approach on how to avoid verbal pitfalls. This gives the theory behind our language habits, including just why men like Hitler were so successful in their manipulation of propaganda, prejudices, hatreds. The author appeals for an analysis of the facts first, then careful selection of words to adequately convey our thoughts. The fact that one word has many meanings makes it difficult to have it understood as intended by the author. Training and Safety Officers and Information and Education Sepcialists in particular could profit by a study of the principles discussed in the last chapter; also by using the device called the 'Structural Differential', which is said to help overcome faulty reasoning and language habits. For that matter, anybody can profit if he wants to take the time to study Dr. Lee's book."

THE PRACTICE OF SILVICULTURE, by Ralph C. Hawley. 5th ed. 354 p. N.Y., J. Wiley & sons, inc., 1946. 99.45 H31 Ed.5

Rewritten and enlarged, bringing the material up to date. Technical names of the tree species mentioned in the text are listed in the appendix.

PROBLEMS AND PROGRESS OF FORESTRY IN THE UNITED STATES. 112 p. Washington, D.C., 1947. 99.61 J66

"Report of the Joint committee on forestry of the National research council and the Society of American foresters, Henry S. Graves, chairman."

This is considered to be a significant report and that its recommendations should receive attention. The material is classed under five subjects: The forest situation; Public responsibilities and action in forestry; Problems of private forestry; Public action in advancing private forestry and Education and research in forestry.

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"Books identify us with the minds of others. They are the food supply for the minds, like the well stored pantry shelf is for the table. They are the storage batteries with reserved power to give us vision and thought." - Alson Secor.

RAISING TURKEYS, DUCKS, GEESE, GAME BIRDS, by Morley A. Jull. 467 p. N.Y., McGraw-Hill book co., 1947. 47 J94R

"The purpose of this book is to provide up-to-date information on raising and marketing turkeys, ducks, geese, guineas, pigeons, peafowl, upland game birds, and aquatic game birds. The conservation of upland and aquatic game birds in the wild is also discussed". - Preface.

A SOURCE-BOOK OF BIOLOGICAL NAMES AND TERMS, by Edmund C. Jaeger. 256 p. Springfield, Ill., Charles C. Thomas, 1944. 442 J17

Here are alphabetically listed fully 12,000 elements from which scientific biological names and terms are made. With them are given their origins, meanings and numerous examples of their use. All the more commonly known genera and technical terms are included besides many that are only used by workers in special fields. There is also a large number of prefixes and suffixes.

THE TECHNIQUE OF HANDLING PEOPLE; the eleven secrets of handling people, by Donald A. Laird and Eleanor C. Laird. 139 p. N.Y., Whittlesey house, 1946. 140 L14T

A little book that will be easy to digest, written by experts who have a long list of successful personnel books to their credit.

TRACE ELEMENTS IN PLANTS AND ANIMALS, by Walter Stiles. 189 p. Cambridge, University press, 1946. 395 St5

A compilation of current knowledge of a certain type of chemical elements. It includes certain deficiency diseases of plants and animals, functions of the trace elements and methods of investigating micro-nutrient problems.

TRANSACTIONS of the eleventh NORTH AMERICAN WILDLIFE CONFERENCE. 527 p. Washington, D.C., American wildlife institute, 1946. 412.9 N814 1946.

Subjects for papers include: Education in wildlife conservation; Waterfowl; Range and forest lands and wildlife; Wildlife in business; and Fresh waters, marshes and wildlife.

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#### SELECTED NEW PAMPHLET MATERIAL

##### Farming

Culture of trailing berries, Oregon, by G.F. Waldo and Henry Hartman. Oregon. Agr. Expt. Sta. Station Bul. 441, 27 p. 1946. 100 Or3B no.441.

Dairy cattle breeds, by Amer B. Nystrom. U.S. Dept. of agriculture, Farmers' Bul. no.1443, 31 p. Rev. 1946. 1 Ag84F no.1443.

The Eastern tent caterpillar, by F.M. Wadley. U.S. Dept. of agriculture. Leaflet no.161, 5 p. Rev. 1947. 1 Ag84L no.161.

Father-son partnership agreements in farming, by George B. Davis. Oregon.

Extension service. Ext. Bul. no.674, 22 p. 1946. 275.29 Or32B no.674.

Pump irrigation, Harney Basin, Oregon, by M.L. Upchurch. Oregon. Agr. Expt. Sta. Station Cir. of Info. no.408, 16 p. 1947. 100 Or3C no.408.

Raising dairy calves, by M.B. Nichols and N.S. Lundquist. Washington. Extension service. Ext. Bul. no.269, 29 p. rev. 1946. 275.29 W27P no.269,rev.

Root behavior and crop yield under irrigation, by Frank C. Jean and John E. Weaver. 66 p. Washington, Carnegie institution of Washington, 1924. 64 J34

Strawberry production in Oregon, by G.F. Waldo and Henry Hartman. Oregon. Agr. Expt. Sta. Station Bul. 442, 27 p. 1947. 100 Or3B no.442.

When drought returns to the Great Plains, by Tom Dale: U.S. Dept. of agriculture. Farmers' Bul. 1982, 14 p. 1947. 1 Ag84F no.1982.

#### Forestry

Decrease waste - increase profits, by Raymond C. Rietz. U.S. Forest products laboratory. R1633, 11 p. Madison, Wis., 1946. 1.9 F761R no.1633.

Deterioration of fiberboard by molds, by George H. Englerth. U.S. Forest products laboratory. Forest pathology special release no.29, 7 p. 1946. 1.965 F3F76 no.29.

The effect of storage on Douglas fir hogged wood and sawdust, changes in heat value and chemical composition, by Leo Friedman, Eugene Tower and R.B. Boals. Oregon. State college. School of forestry. Oregon forest products laboratory. Research leaflet no.3, 15 p. Corvallis, Or., 1945. 99.9 Or3522 no.3.

Forest resources of the Douglas fir region, by Burt P. Kirkland. 74 p. Portland, Or., Pacific Northwest loggers association, Joint committee on forest conservation, 1946. 99.18 K63

How many small fence posts to a cord? by Paul J. Zehngraff. U.S. Forest products laboratory. Technical note no.269, 1 p. Madison, Wis., 1947. 1.9 F7625T no.269.

Quantity of wood treated and preservatives used in the United States in 1945, by R.K. Helphenstine, Jr. 40 p. 1 F76Q 1945

U.S. Forest service in cooperation with the American wood-preservers' association.

Second growth woodland on farms can return an annual income, by W.M. Zillgitt. U.S. Forest service. Lake states forest experiment station. Technical note no.270, 1 p. St.Paul, Minn., 1947. 1.9 F7625T no.270.

Washington forest fire association, thirty-ninth annual report, 1946. 24 p. Seattle, Wash., 1946. 99.51 W27An 1946.

Wood waste: a challenge to industry and science, by George M. Hunt. U.S. forest products laboratory. R1631, 9 p. Madison, wis., 1946. 1.9 F761R no.1631.

#### Miscellaneous

Data on weather from 1924 to 1945 at the irrigation branch experiment station, near Prosser, Washington, by C. Emil Nelson. Wash. agr. Expt. Sta. Bul. no.473, 31 p. 1946. 100 W27E no.473.

Highway structures of Douglas fir. 55 p. Seattle, Wash. West coast lumbermen's association, 1945. 99.79 W52H

Let's practice soil conservation for a permanent agriculture. 23 p. Chicago, Ill., International harvester company, 1946. 56.7 In8L

Looking ahead with the farm foundation. 16 p. Chicago, Ill., Farm foundation, 1946. 281.9 F223L

Obstacles to multilateral trade, by J.B. Condliffe. National Planning association. Planning pamphlet no.59, 46 p. 1947. 280.7 N21P no.59  
"It is written primarily to emphasize the importance of the issues which must be faced in connection with the forthcoming International trade conference."

#### Range management

Clearing and reseeding sagebrush lands, by Wayne H. Miles. U.S. Soil conservation service. Regional bulletin no.100, 15 p. Albuquerque, N.Mex., 1946. 1.9608 R26

Range management series no.10.

Forage species tested for more extensive reseeding trials on central California range lands, by J.R. Bentley. U.S. Forest Service. California forest and range experiment station. Forest research notes no.48, 4 p. Berkeley, Calif., 1946. 1.9 F762R no.48.

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ATTENTION FOREST RANGERS!

A forester was impressed with the article: Notes on dormancy in the black bear, by J.R. Matson in the Journal of mammalogy 27(3): 203-212, August 1946. He thought it well worth reading. Since black bear are not too uncommon in the Pacific Northwest, I am taking this means of making the article available to you. Write the library if you wish to read it.

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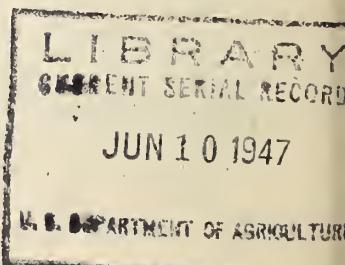
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Marie L. Gould  
Librarian

JUN 10 1947





# LIBRARY NEWSLETTER

## U. S. DEPARTMENT OF AGRICULTURE

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Vol. 6, no. 6-8  
June-August 1947

Phone: Atwater 6171  
Extension 250

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### NEW BOOKS IN THE LIBRARY

DROUGHT, ITS CAUSES AND EFFECTS, by Ivan Ray Tannehill. 264 p. Princeton, university press, 1947. 340 T15D

A brief well written account of the cause of droughts and how they can be predicted with plans for combating their effects. There is a short history of droughts in the U.S. and review of weather conditions preceding them. The author discusses the possibility of predicting them through study of various processes concerning rainfall, sunspots, weather variations and climatic changes. The author is Chief of the U.S. Weather Bureau's Division of synoptic reports and forecasts.

EARTHWORMS, THEIR INTENSIVE PROPAGATION AND USE IN BIOLOGICAL SOIL-BUILDING, by Thomas J. Barrett. 4th rev. ed. 88 p. Roscoe, Calif., Earthmaster publications, 1946. 436 B272E Ed.4

FOREIGN COMMERCE AND NAVIGATION OF THE UNITED STATES, calendar year 1943. 2 vols. Washington, D.C., 1946. 157.9 F76 Vol. 1-2

Issued by U.S. Dept. of commerce, Bureau of foreign and domestic commerce.

Contents: Vol. I. U.S. import and export statistics. Vol. II. U.S. export transport statistics.

THE HORSEMAN'S ENCYCLOPEDIA, by Margaret Cabell Self. 519 p. A.S. Barnes & co., 1946. 42 Se4H

The purpose of this volume was to put before the reader in encyclopedic form, the facts which would be of interest and service to horse lovers, as established by recognized authorities. Most of these facts will be found in the main body of the volume. Statistics pertaining to racing (harness, flat and hurdle), recognized hunts, famous horses — both fiction and real, Western and hunting terms will all be found in the appendix.

THE LAZY GARDENER, by William Clayton Pryor. 221 p. New York, Longmans, Green and co., 1947. 97 P95

This book is leisurely and amusing, yet packed with practical information. It charts the progress of the year for the part time gardener. "Like any good friend, the Lazy Gardener gives you far more wisdom than you realize as you read these excellently written pages. He advises you on flowers - their seasons, colors, arrangement and how to make them flourish bounteously on niggardly efforts. Here is information giving you short-cuts to success with your lawn, vegetables, herbs, landscaping, transplanting and the multitude of other things that plague folk of the soil."

PLANT PHYSIOLOGY, with reference to the green plant, by Edwin C. Miller. 2d ed. 1201 p. New York, McGraw-Hill book company, inc., 1938. 463.3 M61 Ed.2

Recommended by Soil Conservation Service to employees.

"Dr. Miller has written one of the most comprehensive text and reference books on plant physiology in the English language. It contains 14 chapters and 1165 pages. Over 12,500 individual references covering the investigations of better than 3,500 authors are cited. About 70 of these references include the individual contributions of Dr. Miller. Otherwise the author makes no attempt to state his opinion on the various subjects covered. The work has been confined to the physiology of green plants, since at present fungi are considered to be in the province of plant pathology. Those interested in plant physiology will find this text a highly useful and unusually complete reference book." - Ernest Wright, U.S. Bur. of Plant Industry, Soils & Agr. Engineering, Portland, Oregon.

PRINCIPLES OF FEEDING FARM ANIMALS, by Sleeter Bull and W.E. Carroll. Rev. ed. 395 p. Danville, Ill., The Interstate, 1946. 389.7 B87 1946.

An effort was made by the authors to present the scientific facts underlying the art of feeding animals in such a manner that the book may be used as a text for elementary courses in feeding and also be valuable to the farmer who has not had a technical education in agriculture.

THE PROBLEM OF FERTILITY, proceedings of the conference on fertility held under the auspices of the National committee on maternal health, edited by Earl T. Engle. 254 p. Princeton, N.J., Princeton university press, 1946. 444.9 C762

This book gives the results of an investigation of various aspects of reproduction in domestic animals.

PROCEEDINGS OF THE AMERICAN FOREST CONGRESS, October 9, 10 and 11, 1946. 379 p. Washington, D.C., 1947. 99.9 Am3 1946.

SCIENCE IN FARMING, the yearbook of agriculture, 1943-1947. 944 p. Washington, U.S. Govt. print. off., 1947. 1 Ag84Y 1947.

Issued by the U.S. Dept. of agriculture.

"It offers a background for understanding the further results of research as they are announced from day to day. Its purpose is to help everybody to make the most of the products of the laboratory, the test plot, and the pilot plant... This book was prepared primarily for farmers, but we have always had in mind other persons whose interests have to do with gardening, chemistry, beekeeping, stock raising, conservation, horticulture, house-keeping, and such."

The Yearbook should be particularly useful to returning servicemen who want to farm and to persons who will find in these pages details of a product that may help them build or enlarge businesses of their own." - Preface.

As much as possible, Science in farming is written in nontechnical (but not popular) language. The 158 contributors are technicians in the Department and laboratories throughout the country. They deal with discoveries made in nearly every State and several foreign countries.

SOIL AND STEEL, EXPLORING THE COMMON INTERESTS OF FARMERS AND WAGE EARNERS, by P. Alston Waring and Clinton S. Golden. 240 p. N.Y., Harper & Bros., 1947.  
281.12 W23

The authors are respectively a farmer and a worker. They wrote the book because they believed many wage earners in cities do not know a great deal about farmers and their problems and that most farmers are unaware of life of people whose income is in a pay envelope. Through a careful analysis of the foundations of our urban and rural populations, the book shows what is behind the long-standing sense of conflict between the two. The authors develop a program for increasing cooperation between farm and city worker on common ends.

TWO BLADES OF GRASS, A HISTORY OF SCIENTIFIC DEVELOPMENT IN THE U. S. DEPARTMENT OF AGRICULTURE, by T. Swann Harding. 352 p. Norman, Okla., University of Oklahoma press, 1947. 31.3 H21T

Isaac Newton, first commissioner of agriculture, wrote: "It should be the aim of every young farmer...to make two blades of grass grow where but one grew before!" None who read Mr. Harding's account can doubt that scientific research in the field of agriculture was the primary factor making this possible. It has been incredibly valuable to the American public, both in scientific advancement and in monetary terms. This is the story of the search for better grains, fruits and vegetables, for better methods of soil and forest conservation, for prevention of disease in plants and animals, for control and destruction of harmful insects, for preservation of game and wild life, and for additional economic uses of farm products and byproducts.

VEGETABLE PRODUCTION AND MARKETING, by Paul Work. 559 p. N.Y., J. Wiley & sons, inc., 1945. 91 W89

This book deals with the production, management and marketing of vegetable crops. Emphasis is placed upon the characteristics of the crop plants and their responses to various conditions of environment, a relation that transcends local situations and furnishes a common denominator wherever a given crop grows.

The chapters have been arranged in logical sequence for the comprehensive study of production problems in both home gardening and commercial farming, and of economic and marketing problems as well.

WALLACES OF IOWA, by Russell Lord. 615 p. Boston, Houghton Mifflin, 1947.  
120 W155W

The epic of three generations of Henry Wallaces who have played important roles in American history.

SELECTED NEW PAMPHLET MATERIAL

Farming

Crimson clover, by E.A. Hollowell. U.S. Dept. of agriculture. Leaflet no.160, 8 p. rev. 1947. 1 Ag84L no.160.

Curly-top disease of vegetable crops in Washington state, by B.F. Dana and J.C. Dodge. Washington. Extension service. Extension bulletin no.357, 8 p. 1947. 275.29 W27P no.357.

Destroying stumps by charpitting, by R.N. Miller and A.W. Holland. Washington. Extension service. Extension bulletin no.344, 12 p. 1946. 275.29 W27P no.344.

Farm fishponds for food and good land use, by Verne E. Davison. U.S. Dept. of agriculture. Farmers' bulletin no.1983, 29 p. 1947. 1 Ag84F no.1983.

Irrigation for the Willamette Valley, by M.L. Upchurch and E.L. Potter. Oregon. Extension service. Extension bulletin no.675, 23 p. 1946. 275.29 Or32B no.675.

Life insurance for farm families, by Ralph R. Botts. U.S. Dept. of agriculture. Miscellaneous publication no.621, 49 p. 1947. 1 Ag84M no.621.

Livestock on farms Jan. 1. 26 p. 1947. 1.9 Ec74.2Un.

Number and value by states and geographic divisions.

Issued by U.S. Dept. of agriculture. Bureau of agricultural economics.

Crop reporting board.

Oregon agriculture. 6 nos. Corvallis, Or., 1946. 100 Or30

Issued by Oregon Agricultural experiment station collaborating with the Bureau of Plant industry, soils, and agricultural engineering, of the U.S. Dept. of agriculture, and the Oregon Federal cooperative extension service.

no.1.An analysis of Oregon agriculture. 120 p.

no.2.Fiber-flax in Oregon, an appraisal of the problems and possibilities. 28 p.

no.3.Part-time farming. 24 p.

no.4.The dairy industry. 20 p.

no.5.Poultry. 8 p.

no.6.Farm forestry and cutover land. 12 p.

Raspberry culture in Oregon, by George F. Waldo and Henry Hartman. Oregon. Agr. Expt. Sta. Station bulletin no.443, 31 p. 1947. 100 Or3B no.443.

Recommendations for weed spraying equipment, by F.E. Price and others. Oregon. Agr. Expt. Sta. Station circular 170, 20 p. 1946. 100 Or3C no.170.

Selecting and financing a farm. U.S. Farm credit administration. Circular 14, 11 p. rev. 1946. 166.2 C499 no.14.

Spray program for apples and pears. Oregon. Agr. Expt. Sta. Station circular of information no.411, 4 p. 1947. 100 Or3C no.411.

Study your own farm work methods, by Lowell S. Hardin. Indiana. Agr. Expt. Sta. Circular no.307, 14 p. 1947. 100 In2P no.307.

Suggestions for growing English holly in Western Oregon, by A.N. Roberts and C.A. Boller. Oregon. Agr. Expt. Sta. Circular of information no.409, 20 p. 1947. 100 Or3C no.409.

Vegetable garden insect-pest control, by Don C. Mote, B.G. Thompson and H.H. Crowell. Oregon. Extension service. Extension bulletin no.676, 12 p. 1947. 275.29 Or32B no.676.

Forestry

The disc-dozer, by H.M. White. U.S. Forest service. E.D. report no.9, 7 p. 1946. 1.962 A2Eq5 no.9.

Instructions in flat piling to take care of variations in local conditions and in species and sizes of stock. U.S. Forest products laboratory. R1672, 2 p. Madison, Wis., 1947. 1.9 F761R no.1672

The planting and growing of cork oak trees in the United States, by Giles B. Cooke. 35 p. Baltimore, Md., Crown cork & seal company, inc., 1947. 99.47 C77

Reappraisal of the forest situation. 3 reports have been received from the U.S. Forest service. (Call numbers are not available) 1946.

Report 1. Gaging the timber resource of the U.S. 62 p.

Report 2. Potential requirements for timber products in the U.S. 70 p.

Report 3. The management status of forest lands in the U.S. 22 p.

Report of the forest resource appraisal, a fact finding survey to determine the war's effects on the forests of the United States. 4 p. Washington, D.C., American forestry association, n.d. 99.61 Am34A

#### Home economics

Better buymanship - use and care. 321.8 H814 New revisions have been received of the following:

no. 4. Processed fruits and vegetables.

no. 6. Meat.

no. 24. Hosiery.

no. 25. Radios.

no. 28. Grain products.

Issued by Household finance corporation.

Buying or building a home freezer, by F.E. Price and M.G. Gropsey. Oregon. Agr. Expt. Sta. Circular no.171, 16 p. 1946. 100 Or3C no.171.

Clothes moths, by E.A. Back. U.S. Dept. of agriculture. Leaflet no.145, 8 p. rev. 1947. 1 Ag84L no.145, rev.

Freezing foods for use in the home, by W.P. Lehrer, Jr. and James E. Kraus.

Idaho. Extension service, Extension bulletin no.165, 14 p. 1947. 275.29 Id13 no.165.

A simple way to iron a shirt, by Elaine Knowles. Washington. Extension service.

Bulletin no.353, 14 p. 1946. 275.29 W27P no.353.

Your farmhouse: cut-outs to help in planning. U.S. Dept. of agriculture.

Miscellaneous publication no.622, 47 p. 1947. 1 Ag84M no.622.

#### Miscellaneous

The economic base for power markets in Grays Harbor county, Washington. 52 p. 1947. 156.1 Ec74 Wash.

Issued by U.S. Dept. of the interior, Bonneville power administration.

A farmer looks at fiscal policy, by Thad Snow. National planning association. Planning pamphlet no.48, 22 p. 1945. 280.7 N21P no.48.

Here is a report by a cotton farmer who has taken a look at fiscal policy and has some interesting things to say about it.

The future of German reparations, by David Ginsburg. 80 p. Washington, D.C. National planning association, 1947. (Planning pamphlets nos. 57-58) 280.7 N21P no.57-58.

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Important sources of information for work in agricultural economics with special emphasis on California. 89 p. Berkeley, Calif., 1946. 241.3 G34

Issued by Giannini foundation of agricultural economics. Library.  
Land use and conservation, address by Chester C. Davis. 12 p. 1946. 1.94  
Ad4Da

Issued by U.S. Dept. of agriculture.

Livestock, meats and wool market statistics and related data, 1945. Washington,  
D.C., 1946. 1.9 Ec713Ls 1945.

Issued by U.S. Production and marketing administration.

Methods of soil analysis for soil-fertility investigations, by Michael Peech,  
L.T. Alexander, L.A. Deen and J. Fielding Reed. U.S. Dept. of agriculture.

Circular no.757, 25 p. 1947. 1 Ag84C no.757.

Natural resource problems. Annual report of the Secretary of the interior  
1946. 447 p. 1946. 156 An7 1946.

Ten essential standards for fabricated timber structures. 3 p. Portland, Or.,  
West Coast lumbermen's association, 1946. 99.79 W526

#### Water

Data on major water storage reservoirs in the eleven Western states, compiled  
by Alexander Joss, Stanley W. Voelker and H.E. Selby. 19 p. Washington,  
D.C., 1946. 1.941 L7D26

Issued by U.S. Bur. of agricultural economics.

Surface water supply of the United States 1945. Part 11, Pacific slope basins  
in California. U.S. Geological survey. Water-supply paper 1041, 469 p.  
1947. 407 G29W no.1041

Surface water supply of the United States, 1945, Pt.14. Pacific Slope basins  
in Oregon and Lower Columbia River basin. U.S. Geological survey. Water  
supply paper 1044, 237 p. 1947. 407 G29W no.1044.

The value of supplemental irrigation in Willamette Valley, by W.L. Powers.  
Oregon. Agr. Expt. Sta. Station bulletin no.439, 31 p. 1946. 100 Or3B  
no.439.

#### PERIODICAL NOTES

Soil and health. q. An English magazine edited by the well-known agriculturist,  
Sir Albert Howard. It has signed articles on organic agriculture; reviews of  
English books in that field. Available for circulation.

U.S. Bureau of agricultural economics. Portland, Or. Price report. m.  
Information on prices in Oregon, summary table of price indexes and statistics  
of average prices received by farmers for farm products with parity price  
comparisons. For circulation.

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Vol. 6, no. 9.  
September 1947.

Phone: Atwater 6171  
Extension 250

"Knowledge, it has been said, is merely knowing where to look for things. Thus knowing how to use library facilities effectively is a more useful accomplishment than reading widely and having a fairly good memory for what is read."

### NEW BOOKS IN THE LIBRARY

THE AMERICAN FARMER: HIS PROBLEMS AND HIS PROSPECTS, by Lee Fryer. 172 p.  
New York, Harper & Brothers, 1947. 281.12 F94

The author became known to many in this district while working for Farmers Home Administration.

The author says: "The chapter that was the most fun to write is called 'The American farm community.' It is the story-telling kind. Half of it deals with experiences we know well, in these western communities. The other half is about Horizon, a community of the future, where good planning and plenty of attention to education for young people and old make a new modern spirit. Try this one when you feel like day dreaming. The theme of this book is organization for rural people. It presents facts showing that farmers live in an organized world, but they are not yet organized. They deal with an organized business community on unequal terms. They buy at retail and sell at wholesale. That is poor business."

Mr. Fryer tells the plight of the independent farmer, today, and the economic and social factors that need to be corrected. A specific plan for action to save the farmer and his land is included.

COMMERCIAL FERTILIZERS, THEIR SOURCES AND USE, by G.H. Collings. 4th ed. 522 p.  
Philadelphia, 1947. 57.2 C69 Ed.4

The manufacture and use of commercial fertilizers has progressed with the development of the science of plant nutrition. Knowledge in this field has expanded rapidly during recent years, thus making necessary important changes in fertilizer practices and recommendations.

The author gives actual research findings, especially in the presentation of controversial subjects, in order that the reader may make his own deductions.

The fertilizer industry was forced by war conditions to make revolutionary adjustments. Some fertilizer materials disappeared from the market. Nitrogen fixation capacity was increased many times and the American potash industry successfully expanded production, also, to meet wartime needs.

This book is recommended by the SCS to their employees.

DOWN TO EARTH; the pleasures and perils of becoming a farmer, by E.S. Hahnel. 106 p. New Brunswick, N.J., Rutgers Univ. press, 1947. 31.3 H12

For the city resident who yearns to be a farmer. This is a commentary on some of the less publicized aspects of farming designed to let him know the worst beforehand. The editor of USDA recommends it as "gay and factually informative."

THE FURROW AND US, by Walter Thomas Jack. 158 p. Philadelphia, Dorrance & company, 1946. 56.7 J122

The author's purpose is to prove that a permanent agriculture must be built around proven practices that are inspired by the natural behavior of soils and plants. He gives the results of many years of careful observations of natural laws and the responsibility farmers have in guarding soil fertility so that it will continue to be a source of life and pleasure for all generations to come.

Mr. Jack says: "The recent trend toward sub-surface tillage is a transgression of one of nature's most vital laws." A few other subjects discussed are: Why we plow; Lime and the art of liming; Root-ology; The value of rotation; Soil nutrients and Hidden hungers.

Soil conservation also published a review of this book in May 1947, p.236.

HOMESEEKERS' HANDBOOK, by Gerald Lynton Kaufman. 160 p. New York, Stewart, 1947, 296 K16H

What you need to know before you buy or build. A guide through the preliminary problems that lead to home-owning. Analysing your budget for living, you can decide how much it is safe to spend. Weighing this against your housing requirements, you will know whether to rent, buy, build or alter. You will know how to deal with realtors, contractors, banks and the F.H.A., the pros and cons of prefabrication, of "ready-made", and "made-to-order" houses, the facts about architectural, decorating and landscaping services. Types of contracts, specifications, your relations with lawyer, builder, subcontractor; data on air-conditioning, mechanical equipment, panel heating, "solar houses" and functional design" are given. In short, how to interpret your personal needs so the house you get will not only be what you want, but also what you can afford, with minimum risk and maximum peace of mind.

HUMAN BREEDING AND SURVIVAL; POPULATION ROADS TO PEACE OR WAR, by G.I. Burch and Elmer Pendell. 138 p. New York, Penguin, 1947. 280 B894 1947.

"Perhaps men will fight a dozen more world wars before they accept the brute facts about human breeding and survival... the authors Burch and Pendell are here striking at the heart of the whole sorry business and are bringing to its problems fresh information and analysis. They show unmistakably that something can be done to reduce today's worldwide poverty, ignorance, despair, and their by-products, the tyrant and his gangster army.

This book covers the field of population cause and effect more readably than any other that has come to my attention. Millions of people still fancy that a firm peace may be established on good will or perhaps by a strong policeman or, at any rate, through a return to some ancient moral code. The notion that a clear understanding of people in the mass, their ways of living and the consequences of their habits is needed to reorganize our affairs has penetrated few minds." - Preface by Walter B. Pitkin.

Recommended by SCS to their employees.

TOMORROW'S FOOD; the coming revolution in nutrition, by James Rorty and N.

Philip Norman. 258 p. New York, Prentice-Hall, 1947. 389.1 R692

"Study of nutritional errors, which authors believed due to overprocessing of foods. They stress better food standards on dehydrates and frozen food lockers, cheaper methods of getting fresh market products into American homes. A brief chapter on relation of refining white sugar to dental caries is significant. A chapter on eating sensibly is included." - Library journal, June 1, 1947.

Also reviewed in Soil conservation, August 1947, p.22.

THE WORLD GROWS ROUND MY DOOR, by David Fairchild. 347 p. New York, C. Scribner's 1947. 452.9 F16Wo

The author of the World was my garden now writes of "The Kampong", his home on the edge of the tropics, where he has introduced into his garden many fruits, plants and ornamental trees collected from tropical regions all over the world. In presenting the picture of his Florida home he is led to describe the houses in which he has lived in other parts of the U.S., in Europe and the Pacific area. This volume combines autobiography with a summing up of Dr. Fairchild's professional accomplishments in connection with the Seed and plant introduction section of the U.S. Department of Agriculture and will be of interest to persons sharing his scientific, gastronomic and architectural enthusiasms.

USDA pronounced it entertaining and highly informal.

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#### SELECTED NEW PAMPHLET MATERIAL

##### Conservation

Federal aid in wildlife restoration - general information, by R.M. Rutherford.

U.S. Dept. of the interior. Fish and wildlife service. Regulatory announcement 18, 12 p. 1946. 156.22 F52A no.18.

Handbook, preliminary examinations and surveys of watersheds for run-off and waterflow retardation and soil erosion prevention in the interest of flood control. U.S. Dept. of agriculture. 102 p. 1947. 1.90 A2H19

Primar--a new slender wheatgrass for conservation use, by John L. Schwendiman and Alvin G. Law. Washington. Agr. Expt. Sta. Bul. no.478, 16 p. 1946. 100 W27E no.478.

Ranch planning handbook. unpaged. Washington, D.C., 1946. 1.96 Op2Rah  
Issued by U.S. Soil conservation service. Range division.

Soil conservation districts: local democracy in a national program, by Herman Walker, Jr. and W. Robert Parks. In Journal of politics 8(4): 538-549. November 1946. 280.8 J827 Nov.1946.

##### Farming

DDT residue problems on apples and pears, by R.H. Robinson. Oregon. Agr. Expt. Sta. Station circular of information no.412, 4 p. 1947. 100 Or3C no.412.

Diseases of cabbage plants grown for seed in Western Washington, by Glenn S. Pound. Washington. Agr. Expt. Sta. Bul. no.475, 27 p. 1946. 100 W27E no.475.

Farm homes and building program. 8 p. 1946. 275.2 W27Fhb  
Issued by Washington. State college. Extension service.

- Fertilizers, soil analysis, and plant nutrition, by D.R. Hoagland. California. Agr. Expt. Sta. Circular 367, 24 p. 1947. 100 C12S no.367.
- Fighters on the farm front, a story of the 1943-46 Oregon emergency farm labor program. Oregon. Extension service. Extension Cir. no.492, 19 p. 1947. 275.29 Or32C no.492.
- How to reseed abandoned land for pasture and range in Southern Idaho, by R.H. Stark, J.L. Toevs and A.L. Hafenrichter. Idaho. Agr. Expt. Sta. Circular no.112, 4 p. 1947. 100 Idl no.112.
- Production of Easter lily bulbs, by H.M. Betterfield. California. Extension service. Circular no.132, 34 p. 1947. 275.29 C12C no.132.
- Temporary or emergency silos; directions for building aboveground fence and paper silos and trench silos. Illinois. University. Extension service. AEng 400, 12 p. rev. 1945. 275.29 Il62Pa no.400, rev.
- Use of sulfur on dispersed soils, by C.H. Diebold and Glenn Niner. U.S. Soil conservation service. Regional bulletin no.102, 9 p. Albuquerque, N. Mex., 1946. 1.9608 R26 no.102.
- Soil series no.9.
- Investigations to determine if sulfur would correct poor growth and low survival of tree seedlings on non-black alkali soil.
- Vegetative propagation of plants, by Leif Verner. Idaho. Extension service. Ext. cir. no.95, 8 p. 1946. 275.29 Idl3C no.95.
- Washington apple production costs for the 1944-1945 season, by W.M. Bristol. Washington. Agr. Expt. Sta. Bul. no.474, 24 p. 1946. 100 W27E no.474.
- Your farmhouse - how to plan remodeling. U.S. Dept. of agriculture. Miscellaneous publication no.619, 23 p. 1947. 1 Ag84M no.619.

#### Forestry

- Clarke-McNary forest fire control manual. Manual of administrative procedure of the U.S. Department of agriculture for cooperation with the states under section 1 and 2 of the Clarke - McNary law. 54 p. Washington, D.C., 1946.
- Farm forestry in California, 1940-1945. 38 p. n.d.
- "Prepared by Soil conservation service, U.S. Dept. of agriculture, published by Division of forestry, California dept. of natural resources."
- Hydrologic aspects of burning brush and woodland-grass ranges in California, by F. Adams, Paul A. Ewing and Martin R. Huberty. 83 p. 1947.
- Issued by California. State board of forestry.
- More timber. 35 p. Portland, Or., West Coast lumbermen's association, 1947. 99.61 Pl1
- Issued by Pacific Northwest loggers association.
- Protection against forest insects and diseases in the United States, by Stephen N. Wyckoff, Carl Hartley and Leslie W. Orr. U.S. Forest Service. Reappraisal of the forest situation. Report no.5, 39 p. Washington, D.C., 1947. 1.962 A2R297 no.5
- Roots of forest trees, a selected list of references, by Duncan Dunning. California. U.S. Forest service. Forest and range experiment station. Forest research note no.52, 40 p. 1946. 1.9 F7626R no.52.

PLEASE NOTE THE DATE DUE ON THE CHARGE SLIP ATTACHED TO PUBLICATIONS LOANED FROM THE LIBRARY. THEY ARE DUE IN THE LIBRARY ON THAT DATE. IT WILL PREVENT RECALLING IF THE BOOKS ARE RETURNED ON TIME.

Tables for estimating board-foot volume of timber, by Clement Mesavage and James W. Girard. 94 p. 1946.

Issued by U.S. Forest service.

Timber cruisers agree that one basic table will result in more uniform and more reliable timber cruises. Girard and Mesavage have prepared a set of basic volume tables for use in estimating the board-foot contents of eastern hardwoods and of southern hardwood and softwood timber. They adopted "usable height" in place of "height to a fixed top". The tables are given in terms of the International 1/4-inch rule, the Scribner log rule, and the Doyle log rule. As reviewed by a member of the Lake States Forest Experiment Station in the Journal of forestry, it is expected that the tables will be found accurate in many regions.

Toward the stabilization and enrichment of a forest community, by Harold F. Kaufman and Lois C. Kaufman. 95 p. Missoula, Mont., University of Montana, 1946.

The use of fire as a tool in the management of the brush ranges of California, by H.L. Shantz. 156 p. California state board of forestry, 1947.

Wildlife and the forests in the state of Washington, by Glenn E. Mitchell and George E. Griffith. 12 p. 1946.

Issued by U.S. Forest service.

Wood waste in the United States, by Robert K. Winters, Gardner H. Chidester and J. Alfred Hall. U.S. Forest service. Reappraisal of the forest situation, Report no.4, 45 p. Washington, D.C., 1947. 1.962 A2R297 no.4.

#### Home economics

Building a home freezer, by Frederick S. Erdman. New York. Cornell University Extension Division. Cornell extension bulletin no.705, 30 p. 1947. 275.29 N48E no.705.

Convenient kitchens, by Julia Pond. Michigan. Extension service. Ext. Bul. no.185, rev. 30 p. 1946. 275.29 M58B no.185, rev.

Fine rugs from family rags, by Mrs. Effie S. Barrows. Utah. Extension service. N.S. no.141, 19 p. 1945. 275.29 Utl no.141.

Food fats and oils. Household finance corporation. Better buymanship - use and care no.22, rev. 24 p. 1947. 321.8 H814 no.22, rev.

A glimpse into barrel furniture, by Mrs. Effie S. Barrows. Utah. Extension service. N.S. no.139, 21 p. 1945. 275.29 Utl no.139.

Improve your kitchen cupboards, by Julia Pond. Michigan. Extension service. Ext. Bul. no.273, 7 p. rev. 1946. 275.29 M58B no.273, rev.

Let's butcher a hog, by W.P. Lehrer, Jr. Idaho. Extension service. Ext. Bul. no.164, 10 p. 1946. 275.29 Id13 no.164.

Put a gay new face on old chairs, by Mrs. Effie S. Barrows. Utah. Extension service. N.S. no.140, 29 p. 1945. 275.29 Utl no.140.

#### Irrigation

First aid for the irrigator. U.S. Dept. of agriculture. Miscellaneous publication no.624, 43 p. 1947. 1 Ag84M no.624.

Lawn-sprinkler systems, by J.E. Christiansen. California. Agricultural extension service. Circular 134, 18 p. 1947. 275.29 Cl2C no.134.

#### Miscellaneous

The balance sheet of agriculture, by A.S. Tostbe and others. U.S. Dept. of agriculture. Miscellaneous publication no.620, 56 p. 1947. 1 Ag84M no.620.

Report on chute spillways. 47 p. Denison, Texas, U.S. Corps of engineers, 1939.

Russian dandelion (kok-saghyz) an emergency source of natural rubber, compiled by W. Gordon Whaley and John S. Bowen. U.S. Dept. of agriculture.

Miscellaneous publication no.618, 212 p. 1947. 1-Ag84M no.618.

Science, humanity and politics face the atom, by Mark Graubard. 32 p. Orono, Maine, Agricultural college, Extension service, 1947. 275.2 M28Sc

Seed sources of Idaho certified barley, oats, wheat, beans, alfalfa, clovers, grasses, potatoes, onions for 1947 plantings. 76 p. Boise, Idaho. Idaho crop improvement association, 1947. 225 Idl

Range management

Bromar mountain bromegrass, by Alvin G. Law and John L. Schwendiman. Washington, Agr. Expt. Sta. Bul. no.479, 11 p. 1946. 100 W27E no.479.

Seeding arid ranges to grass with special reference to precipitation, by L.A. Stoddart. Utah, Agr. Expt. Sta. Circular no.122, 29 p. 1946. 100 Utl no.122.

Some physical and chemical responses of Agropyron Spicatum to herbage removal at various seasons, by L.A. Stoddart. Utah, Agr. Expt. Sta. Bul. no.324, 24 p. 1946. 100 Utl no.324.

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PERIODICAL NOTES

Federal science progress ceased publication with June 1947 issue.

Statlab review is available for those who work with statistics. It is a publication of the statistical laboratory of Iowa state college and was recommended in USDA, August 4, 1947.

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### NEW BOOKS IN THE LIBRARY

BRITANNICA BOOK OF THE YEAR, 1947. 876 p. Chicago, Ill., Encyclopaedia Britannica, inc., 1947. 220 En1B no. 1947.

A record of the march of events of 1946 prepared under the editorial direction of Walter Yust, editor of Encyclopaedia Britannica.

ECONOMIC FREEDOM FOR THE WEST, by Wendell Berge. 168 p. Lincoln, University of Nebraska press, 1946. 280.003 B45

"There are many signs today of a new and significant regional development in the West. Wendell Berge presents here a brief yet comprehensive survey of the vast potentialities of the western states and has sharply scrutinized the obstacles which threaten the West's prosperity.

A native Nebraskan, he has a true appreciation of the richness and vigor of western life and an intelligent comprehension of the region's almost incredible wealth, as yet hardly exploited. But as a citizen of the world, Wendell Berge is able to show convincingly that Western prosperity is intimately related to American prosperity and to a healthy international economy.

Wendell Berge sees a great future for the West where private enterprise has been stimulated and strengthened by prodigies of war production and where whole industries in steel, aluminum, chemicals, and the processing of agricultural products have been created or expanded. New techniques and new markets hold the promise for the post-war era of a richer, better-balanced and more stable economy.

But Mr. Berge, who is Assistant Attorney General of the United States, in charge of the Antitrust Division of the Dept. of Justice, sees all too clearly the obstacles raised by monopolies and cartels. Yet, he has faith in Western initiative and resourcefulness, so vital to the achievement of full employment and high living standards."

Chapter 6, Land and people, should be of especial interest.

ENGINEERING FOR DAMS, by William P. Creager, Joel D. Justin and Julian Hinds. 3 vols. New York, J. Wiley & sons, inc., 1945. 290 C862Ed

Dams are an obvious and necessary means of control in areas where flood is a menace or water scarce and vitally needed. All those interested in flood control or soil and water conservation will find this set useful.

Among the subjects discussed are: investigation of dam sites, soil tests, rock-fill, seepage and design of gravity dams.

THE FARMER IN THE SECOND WORLD WAR, by Walter W. Wilcox. 410 p. Ames, Ia., The Iowa state college press, 1947. 281.12 W64

The author says that 'this study is an attempt to record the more significant information relating to farmers and agriculture during the second World war. Of necessity, government actions played a large part in the economic forces affecting farmers during the war. For this reason, records and interpretations of government actions and farmers' response to these programs form a large part of the historical record.' AAA, CCC and OPA are conspicuous, but FSA, SCS and other agencies are discussed.

This book was recommended in USDA, July 7, 1947. The editor says it contains an accurate account of what went on in agriculture during the war.

THE LAND AND WILDLIFE, by Edward Harrison Graham. 232 p. New York, Oxford university press, 1947. 282.12 G76

This book deals with those land-use practices that have been found beneficial to wildlife; describes each practice, how it fits into schemes of wise land management, and what it means to wildlife. The book is a guide to the management of wildlife by means of land use. It is a companion volume to Mr. Graham's Natural principles of land use (282 G76) which deals with biological principles applicable to land management.

Reviewed in Soil conservation Sept. 1947, p.47, and strongly recommended by Rudolf Bennett.

THE PROCESS OF PERSUASION, by Clyde Raymond Miller. 234 p. New York, Crown, 1946. 140 M61

This book is an answer to those who say, "You can't change human nature." Dr. Miller shows how people are changed every day by the process of persuasion, which is at work in every avenue of human endeavor from salesmanship and teaching to broad political programs that have changed nations. He is the founder of the Institute for propaganda analysis.

Recommended in USDA October 28, 1946: "The discussion is lively, brief, informative and should prove of interest since so many of us are required to use the art of persuasion effectually to perform our functions."

PSYCHOLOGY IN INDUSTRY; a psychological approach to industrial problems by Norman Raymond Frederick. 463 p. Boston, Houghton Mifflin, 1946. 140 M28

The author discusses morale, acquisition of skill, psychological tests, fatigue, accident prevention, working environment, psychological factors in labor turnover and other pertinent problems.

SALMON FISHING ON PUGET SOUND, by Harry W. Howard. 122 p. Portland, Or., Binfords & Mort, 1947. 414 H83

Valuable informative data for the fisherman or conservator on the how of salmon fishing (including spinning and mooching) and the where and when side of it on Puget Sound. The author is a Pacific Northwest pioneer and sport salmon fisherman.

SUBJECT GUIDE TO UNITED STATES GOVERNMENT PUBLICATIONS, by Herbert S. Hirshberg and Carl H. Melinat. 228 p. Chicago, American Library Association, 1947. 24241 H61

For reference use in the library.

SWEDEN; THE MIDDLE WAY, by Marquis William Childs. new rev. and enl. ed. 198 p. New Haven, Yale university press, 1947. 280.173 C43S 1947.

This book has come to be regarded as a classic of political writing and the new revision brings it up through the war and postwar periods. What Sweden has done and is continuing to do in social legislation, in cooperation, and in state control of public utilities, is worthy of respectful study. The middle way between collectivism and free individual enterprise has proven successful. Sweden has prospered and remained a democracy.

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#### SELECTED NEW PAMPHLET MATERIAL

##### Farming

Cost of producing pole beans in the Willamette Valley, Oregon, a preliminary report, by G.B. Davis and D. Curtis Mumford. Oregon. Agr. Expt. Sta. Station circular of information no.415, 19 p. 1947. 100 Or3C no.415.

Farm organization and financial progress in the Willamette Valley, by G.B. Davis and D.C. Mumford. Oregon. Agr. Expt. Sta. Station bulletin no.444, 75 p. 1947. 100 Or3B no.444

"The agriculture of the Willamette Valley is unique when compared with other sections of the state and with other areas in the United States of comparable size. Favorable soil and climatic conditions have made it physically possible for the commercial production of 100 or more different crops plus most all the kinds of farm livestock found in this country."

The farmhouse, a list of references, comp. by Cora L. Feldkamp. U.S. Dept. of agriculture. Library. Library list no.19, sup. no.1, 40 p. 1947. 1.916 L612 no.19.

This supplement covers the period from October 1945 through July 1947.

The feeding value of roughages and protein supplements fed to fattening cattle in the state of Washington, by M.E. Ensminger and others. Washington. Agr. Expt. Sta. Bulletin no.486, 28 p. 1947. 100 W27E no.486.

Marfed wheat, by O... Vogel and others. Washington. Agr. Expt. Sta. Bulletin no.485, 8 p. 1947. 100 W27E no.485.

Marketing margins and costs for grains, grain products, and dry edible beans, by Donald R. Stokes. U.S. Dept. of agriculture. Technical bulletin no.934, 90 p. 1947. 1 ag84Te no.934.

Oregon's specialty horticultural crops, 1936-1945, by B.E. Black. Oregon. Extension service. Extension bulletin no.677, 15 p. 1947. 275.29 Or32B no.677.

This is the statistical yearbook containing state and county estimates of acreage and value of farm marketings.

Reducing the need for labor by mechanization and better work methods, by J.L. Paschal, 10 p. 1947. 1.913 E2R242

Issued by U.S. Dept. of agriculture. Extension service.

##### Forestry

Cause and prevention of decay in wood construction. 7 p. 1947. 464.07 W52  
Issued by the West coast lumbermen's association.

Douglas fir plywood commercial standard CS45. 7th ed. 18 p. 1947. Pamphlet.  
Plywood.

Issued by U.S. Dept. of commerce, National bureau of standards.

Harvesting the timber of the West. 15 p. Peoria, Ill., 1946. 99.76 C28H  
The message is chiefly pictorial, issued by the Caterpillar tractor company.  
Identifying injury by wildlife to trees and shrubs in Northeastern forests, by  
John Pearce. U.S. Dept. of the interior. Fish and wildlife service, Research  
report 13, 29 p. Washington, U.S. Govt. print. off., 1947. 156.22 F52Re  
no.13

Injury done to forest growth is classified by groups of wildlife: browsing  
animals, rodents, and "miscellaneous" which includes black bears, birds and  
wildcats. Types of injury are discussed, also. There is an excellent  
bibliography. A well-arranged table summarizes the results of the research.

Conservationists and foresters will be especially interested.  
The lumber production spotlight is on western relogging, by John B. Grantham.

8 p. Reprinted from Wood, March 1947.

A selected bibliography on range management literature, 19 p. Missoula, Mont.,  
1947. 1.9622 N3Se4

Issued by U.S. Forest service, Northern Rocky Mountain forest and range  
experiment station, Range research division.

They kicked us off our land, by Lester Velie. Photostat from Colliers, July 26,  
1947, of a significant article on efforts of certain ranchers to obtain public  
lands and the facts about the grazing range situation.

What does a range calf cost? by Fred N. Ares. Photostat of an article in the  
New Mexico stockman, December 1943. 49 N462

Wood properties and paint durability, by F.L. Browne. U.S. Dept. of agriculture.  
Misc. Pub. no.629, 10 p. 1947. 1 Ag84M no.629

Wood waste utilization, 11 numbers. Madison, Wis., 1947. 1.9 F761R no.R1666-1  
-17

Issued by U.S. Forest products laboratory.

No.R1666 General recommendations regarding methods for wood waste utilization.

No.R1666-1. Uses for sawdust and shavings.

-2. Uses for slabs, edgings, and trims.

-3. Uses for forest waste, by L.H. Reineke.

-4. Reduction of waste in the veneer and plywood industry, by  
Herbert O. Fleischer.

-5. Chemical composition and uses of bark.

-7. Synthetic board materials and molded products from wood waste,  
by J.P. Hohf, H. Dale Turner and Arthur E. Bagriel.

-9. Wood flour, by Lester H. Reineke.

-11. Charcoal production, by Edward Beglinger.

-13. Briquets from wood waste.

-15. Sawdust-cement concrete.

-17. Use of short boards in sheathing crates.

#### Home economics

Brewers' yeast in human and livestock nutrition, a review of literature, by C.C.  
Prouty. Washington. Agr. Expt. Sta. Bulletin no.484, 51 p. 1947. 100 W27E  
no.484.

Farm and home refrigeration, by Homer J. Dana and R.N. Miller. Washington. State  
college. Engineering experiment station. Engineering bulletin no.70, 48 p.  
1947. 100 Wash. Eng. bul. no.70.

World food survey. 39 p. Washington, D.C., 1946. 389 F738

Issued by the Food and agriculture organization of the United Nations.

Miscellaneous

The balance sheet of agriculture, 1947. 67 p. Washington, D.C., 1947. 1.941  
F2W15 1947.

Cartography, a review and guide for the construction and use of maps and charts, by Charles H. Deetz. 85 p. Washington, U.S. Govt. print. off., 1943. (U.S. Dept. of commerce. Coast and geodetic survey. Special publication no.205, 2d ed.) 157.44 Sp3 no.205, rev.

Land use regulation in soil conservation districts, by Philip M. O'Brien, Thomas L. Gaston and Tom Dale. 28 p. Washington, D.C., 1947. 1.96 Ad6Fm  
Issued by U.S. Soil conservation service.

Make it of leather, by J.G. Schnitzer. U.S. Dept. of commerce. Bureau of foreign and domestic commerce. Trade promotion series no.190, 33 p. Washington, U.S. Govt. print. off., 1939. 157.54 T67P no.190.

Narcissus diseases in Washington, by Charles J. Gould. Washington. Agr. Expt. Sta. Bul. no.480, 27 p. 1946. 100 W27E no.480.

Northwestern American plants, by Helen M. Gilkey. Oregon state college. Oregon state monographs. Studies in botany, no.9, 83 p. Corvallis, Or., 1945. 451 Ar32 no.9.

Public law 266. (H.R. 3601) 148.5 Agl1948

An act making appropriations for the Department of agriculture for the fiscal year ending June 30, 1948.

Some parasites of Oregon wild life, by J.N. Shaw. Oregon. Agr. Expt. Sta. Station technical bulletin 11, 16 p. Corvallis, 1947. 100 Or3 no.11.

Vacation cabins built with log cabin siding. 15 p. Portland, Or., n.d.  
Pamphlet.

Issued by Western pine association.

Wheat. Food and agriculture organization of the United nations. FAO commodity series no.1, 68 p. Washington, D.C., 1947. 389.9 F735Cs

Wheat trade statistics.

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PERIODICAL NOTES

Consumers' guide ceases publication with the July 1947 issue.

Pacific wool grower. m. Portland, Oregon. Official organ of the Pacific wool growers. This periodical is available for circulation.

Do you see the BIBLIOGRAPHY OF AGRICULTURE? It is issued monthly by the Library of the Department of Agriculture in Washington, D.C., and gives the most complete listing of current agricultural publications. It is worth while to find the subjects of interest to you and check them regularly. All items listed are available through the Branch Library. Send us your requests for any items you wish to see. If they are not here, we will be glad to borrow them for you from the library in Washington. Be sure to give complete information, author, title, call number and your own name, bureau and address.

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### PERIODICAL SERVICE FOR DEPARTMENT OF AGRICULTURE EMPLOYEES

"Thomas Edison used to say that...technical workers did not read widely enough for their own good. He himself read dozens of serious periodicals from all over the world, whereas the average technician probably reads only one or two periodicals regularly, aside from the ephemeral dailies and light weeklies that most people glance at."

Philip B. McDonald's Personality and English in Technical Personnel, p.44.

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Would you like to read the book quoted above: Personality and English in Technical Personnel, by Philip B. McDonald. (249.3 M14) It is one of our "best sellers". Phone or write the library if you want to have your name added to the waiting list.

NEW BOOKS

Black, John, and others. FARM MANAGEMENT. 1073 p. N.Y., Macmillan company, 1947. 281.12 B56F

Because of the book's logical organization, one need not be frightened by its 1,073 pages. It is easy to pick out those particular problems in which the reader is interested and one need not read the entire book to get a lot of help out of the individual chapters.

Chapter 28 deals with planning the farm. The authors state that the basic information required for any job of farm planning must include first of all a map of the farm. Generous illustrations are given of soil survey maps, conservation survey maps, and farm lay-out maps. The principles of land classification are illustrated by case examples of specific farms.

This book is one of the most practical treatises on farm management to appear in recent years. The reader is not encumbered by a large volume of hard-to-understand statistics, but he is aided in his reading by an easy style of writing, his agreement with the authors' practical approach to various problems, and only sufficient statistical data to constitute valuable reference material.  
- A.M. Hedge in Soil conservation, October 1947.

Breed, Charles Blaney and Hosmer, George L. THE PRINCIPLES AND PRACTICE OF SURVEYING. 2 v. New York, Wiley, 1947. 325 B74 1945-47.

V.1. Elementary surveying. 8th ed.

V.2. Higher surveying. 6th ed.

Mr. Breed writes in the preface that extensive revisions have been made. Among other changes, the text on Public lands surveys has been completely rewritten to conform to present practice.

Dickson, James Geere. DISEASES OF FIELD CROPS. 441 p. McGraw-Hill, 1947. 464.04 D56

A reference outline on current information concerning the diseases of cereals and grasses, legumes and fiber and other field crops. Emphasis is placed upon the symptoms of the diseases, the causal factors, and disease resistance and control. Latest advances in the field of pathology are included.

Knowles, Frank and Watkin, J. Elphin. A PRACTICAL COURSE IN AGRICULTURAL CHEMISTRY FOR SENIOR STUDENTS OF AGRICULTURE, DAIRYING, HORTICULTURE AND POULTRY HUSBANDRY. 216 p. London, Macmillan and co., 1947. 395 K76 Ed.2

Explanations are given not merely of the processes performed, but of the relation of the experiment to the whole subject, so that the student may be able to appreciate the bearing of his laboratory exercises on farm practice.

Subject matter is divided into seven parts: Soils, Fertilizers and manures, Plant and animal bio-chemistry, Feeding stuffs, Dairy products, The chemical examination of water and Insecticides and fungicides.

Ezekiel, Mordecai, ed. TOWARDS WORLD PROSPERITY, THROUGH INDUSTRIAL AND AGRI-CULTURAL DEVELOPMENT AND EXPANSION. 455 p. New York, Harper & brothers, 1947.  
280 Ez3

Twenty-one experts contribute to the study of the conditions and prospects for industry and agriculture in individual countries, treating the problems of reconstruction as well as new development. The surveys analyze every important economic area from Central and South America to Western Europe, Russia, the Middle East, Africa, China, India and Australia and give authoritative information on the opportunities for economic development. Mr. Szekiel says: "The rapid pace of events will soon provide new facts... But the fundamental problems of establishing greater prosperity depend on the physical resources the cultural and institutional patterns, and the relative stage of development reached in each country or region. It is these long-range factors that are the main focus of this book, and they continue despite the shifting scene of current events." - Preface.

Economists will find this book of special interest.

Hardy, Martha. TATOOSH. 239 p. N.Y., Macmillan co., 1947. 145 H22

"Martha Hardy spent three months in the summer of 1943 as a 'lady lookout' for the United States Forest Service. Her post was on Tatoosh, a high peak in the Cascade mountains of Washington. A lively account of the details of her experience, and illustrative of the resourcefulness which the Forest Service found in lady lookouts throughout the country during the manpower shortage." - adapted from Lincoln Newsletter.

Hoslett, Schuyler Dean. HUMAN FACTORS IN MANAGEMENT. 322 p. Park College Press, Parkville, Mo., 1946. 249.3 H79 1946a

A collection of lectures and papers by outstanding authorities on the function of the executive and satisfaction of the worker on the job, various phases of relationships between management and workers. Among the problems discussed are The Development of Leadership Power, by Ordway Tead; Counseling for Supervisors, by Schuyler Hoslett; and Psychological Studies of Employee Morale, by Arthur Kornhauser. - Library journal, Sept. 15, 1947.

Lillard, Richard Gordon. THE GREAT FOREST. 399 p. New York, A.A. Knopf, 1947.  
99.04 L62

When the first white settlers came to America, the land was covered with virgin forest. This book is a study of the uses to which the trees were first put, the part they played in our history and the steady destruction to which they have been submitted. The origin and development of our conservation service down to the present day and the work of the great lumber corporations are both treated. "Just as much of the high plains should never have been plowed, much of the Eastern forest should never have been cleared." The forest conserved rainfall, cooled the climate, fed animals and was a refuge for birds. Man's greediness to raise wheat, build cities pays the penalty in drought, flood, heat and ugliness. Mr. Lillard points out that Washington on Puget Sound is the last frontier, but, "Half the mills in Washington will be out of logs in five years".

Marx, Fritz Morstein, ed. ELEMENTS OF PUBLIC ADMINISTRATION. 637 p. New York, Prentice-Hall, 1946. 280.12 M832E

This book was written by 14 experts and has been adopted as a textbook by more than 12 leading American universities.

When trying to find people who can do a good job in difficult spots...the greatest need in public administration is for people who have an interest in and are capable of grasping the economic, social, policy and other broad implications of public programs and who at the same time are willing and able to master some of the precise details of administration without which not much could be accomplished. The combination is rare. Read this book for a full explanation.

The principal aim of the authors is to deepen the reader's understanding of the administrative process as an integral phase of contemporary civilization.

U.S. Forest service Information digest, Sept. 9, 1947, describes the book.

Robinson, Ed and Carolyn. THE "HAVE-MORE" PLAN FOR A LITTLE LAND, A LOT OF LIVING. 326 p. N.Y., Macmillan, 1947. 31.3 R56 1947.

It all started back in 1942 when Ed and Carolyn grew tired of the mad rush of city life, and moved to the country with their little son, Jackie. For the first few years, Ed Robinson continued to commute daily to his job in New York City, and in his spare time, with Carolyn's help, he worked on their modern homestead. By employing new methods and devices, they figured out a system for raising most of their own food with a minimum of time and work.

At the end of two years the Robinsons already had geese, chickens, rabbits, goats, bees, berries, fruit trees on the way, and a flourishing garden, as well as a room full of dehydrated and preserved vegetables and a home freezer packed with dairy products, meat, and frozen fruits.

In addition to the production and preserving of food, the book includes discussions on buying country property, laying out a homestead correctly, plans for all buildings - from a small barn to a miniature dairy - and suggestions on how to earn money in the country.

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#### SELECTED NEW PAMPHLET MATERIAL

##### Farming

Brucellosis of cattle (Bang's disease), by O.H. Muth. Oregon Extension service. Extension bulletin no.682, 12 p. 1947. 275.29 Or32B no.682

Coordinated management for harvesting, storing, and marketing Northwest apples, by W.V. Hukill and Len B. Wooton. U.S. Dept. of agriculture. Circular no. 759, 32 p. 1947. 1 Ag84C no.759

Crop rotations under irrigation at the Irrigation Branch experiment station, near Prosser, Washington, by C. Emil Nelson and Carl A. Larson. Washington Agr. Expt. Sta. Bulletin no.481, 30 p. Pullman, Wash., 1946. 100 W27E no.481

Farm migration, 1940-1945, an annotated bibliography, by Eleanor H. Bernert and Gladys Bowles. U.S. Dept. of Agriculture. Library list no.38, 51 p. 1947. 1.916 L612 no.38

Grain feeding cattle on pasture, by M.E. Ensminger and others. Washington. Agr. Expt. Sta. Bulletin no.483, 27 p. Pullman, Wash., 1947. 100 W27E no.483.

Irrigated pastures in California, by Burle J. Jones and J.B. Brown. California. Agr. Ext. Service. Cir. no.125, 48 p. Berkeley, Calif., rev. 1947. 275.29 Cl2C no.125.

Miscellaneous

Annual report. 1946. Agricultural conservation and related programs. U.S. Production and marketing administration. Field service branch. 1.42 W52An 1946.

Have reports for Idaho, Oregon and Washington.

The budget of the United States government for the fiscal year ending June 30, 1948. 1434 p. Washington, U.S. Govt. print. off., 1947. (80th congress, 1st session, House document no.19)

Issued by U.S. Bureau of the budget.

DDT...for control of household pests. 15 p. Washington, D.C., March 1947. 1 En86D

Issued by U.S. Bureau of entomology and plant quarantine in cooperation with the U.S. Public health service.

Improvement and industrial utilization of soybeans, research under the Soybean laboratory program. U.S. Dept. of agriculture. Miscellaneous publication no.623, 26 p. 1947. 1 Ag84M no.623.

Livestock market news, statistics and related data. 88 p. 1947. 1.9 Ec713Ls 1946.

Issued by U.S. Production and marketing administration. Livestock Branch. Annual statistical summary.

Marketing fruits and vegetables, 1942-1946, a list of references, comp. by Annie H. Hannay and Eli Hareide. U.S. Dept. of agriculture. Library. Library list no.37, 166 p. 1947. 1.916 L612 no.37.

Material on group discussion and conference methods available in Portland Branch Library, U.S. Department of agriculture. 2 p. Rev. 1947. Bibliography.

Regulations governing the meat inspection of the United States Department of agriculture. 200 p. Washington, D.C., 1947. 1 An52Reg

Issued by U.S. Bur. of animal industry.

Forestry

Commercial sources of forest tree seed or seedlings. 7 p. 1947. 1.962 C5C73  
Issued by U.S. Forest service.

Experiments on the production of insulating board and hardboard from Western saw-mill and logging waste, by S.L. Schwartz, J.C. Pew and E.R. Schafer. 13 p.  
Madison, Wis., 1947. 1.9 F761R no.R1680  
Issued by U.S. Forest products laboratory.

Fire and insects in the Douglas fir region, by R.L. Furniss, Oregon. State board of forestry. Cir. no.3, 5 p. Salem, Or., 1941. 99.72 Or320 no.3.

Forest trees for farm planting. Oregon. State board of forestry. Circular no.5, 17 p. Rev. Salem, Or., 1947. 99.72 Or320 no.5, rev.

A guide for range reseeding on and near the national forests of Montana, by C. Allan Friedrich. U.S. Forest service. Northern Rocky mountain forest and range experiment station. Station paper no.7, 38 p. 1947. 1.9 N812Sp no.7.

Managing the small forest. U.S. Department of agriculture. Farmers' bulletin no.1989, 61 p. 1 Ag84F no.1989.

"Written in a non-technical, easily read, style, this 60-page booklet presents simple rules of good forest management by means of which the owner of the small forest can keep his trees vigorous and productive and as a result continue to harvest wood crops at intervals through the years. Planned for eastern landowners, but much of its advice applies in the Western states." - U.S. Forest service. Information digest.

Rural reading list. U.S. Dept. of agriculture. Library. Library list no.39, 39 p. Washington, D.C., 1947. 1.916 L612 no.39.

Seeding grass by airplane on Western Montana's burned-over timberlands, by C. Allan Friedrich. U.S. Northern Rocky Mountain forest and range experiment station. Research note no.52, 5 p. 1947. 1.9622 N3R31 no.52

Standard grading and dressing rules for West coast lumber. 81 p. Portland, Or., 1947. 99.77 W52S no.14.

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Regulations of the U.S. Department of Agriculture. Library materials...

1916. (3). Any employee leaving his official station for more than one week shall immediately return any library material charged to him. No employee shall take library material from the station at which it was charged to him without first obtaining the permission of the Department Library or the branch from which it was borrowed.